Master Index, Volumes 211–220, July 2004

ISSN 0168-583X

Nuclear Instruments & Methods in Physics Research, Section B

BEAM INTERACTIONS WITH MATERIALS AND ATOMS

Editors:
H.H. Andersen, L.E. Rehn and C. Trautmann

Also available on

SCIENCE DIRECT®

www.sciencedirect.com

http://www.elsevier.com/locate/nimb

Scope of NIM-B

Beam Interactions with Materials and Atoms, Section B of Nuclear Instruments and Methods in Physics Research, accepts experimental and theoretical papers of original research covering all aspects of the interaction of energetic beams with atoms, molecules and aggregate forms of matter. This includes ion beam analysis and ion beam modification of materials as well as basic data of importance for these studies.

Topics of general interest include atomic collisions in solids, particle channeling, all aspects of collision cascades, the modification of materials by energetic beams, ion implantation, irradiation-induced changes in materials, the physics and chemistry of ion interactions and the analysis of materials by all forms of energetic radiation. Modification by ion, laser and electron beams for the study of electronic materials, metals, ceramics, insulators, polymers and other important and new material systems are included. Related studies, such as the application of ion beam analysis to biological, archaeological and geological samples, as well as applications to solve problems in planetary science, are also welcome. Energetic beams of interest include atomic and molecular ions, neutrons, positrons and muons, plasmas directed at surfaces, electron and photon beams, including laser treated surfaces and studies of solids by photon radiation from rotating anodes, synchrotrons, etc. In addition, the interaction between various forms of radiation and radiation-induced deposition processes are relevant.

Below are listed keywords to the specialized fields within the scope of the journal.

Basic Data for Materials Modification and Analysis

Range distributions
Stopping powers in gases and solids
X-ray cross sections
Fluorescence yields
Nuclear reaction cross sections
Scattering cross sections

Atomic Collisions in Solids

Atomic and molecular collisions
Collision cascades
Surface interactions
Beam-induced desorption
Beam–foil spectroscopy
Secondary particle emission, sputtering
Channeling
Multiple scattering

Ion and Laser Beam Modification of Materials

Ion implantation
Ion beam mixing
Beam-enhanced deposition
Electrical properties of semiconductors
New-phase formation
Optical properties
Defect properties
Friction, wear, erosion
Interfaces, adhesion
Oxidation and corrosion
Superconductivity
Magnetic properties
Other property changes

Effects of Radiation

Radiation damage
Particle tracks
Cluster beams
Interaction of plasmas
Laser ablation
Laser and electron-beam induced modification
Energy and radiation transport in matter
High-intensity beams
Other directed energy processes

Analysis of Materials

Ion beam analysis
Ion channeling
Ion backscattering
Elastic recoil detection
Ion-induced X-rays
Ion-induced nuclear reactions
Low energy ion beam analysis
Secondary ion mass spectroscopy
Secondary electron spectroscopy
Neutron scattering
Slow positron beams
Subatomic particle analyses
Mössbauer spectroscopy
Photon beams
X-ray techniques
Accelerator mass spectroscopy
Nuclear dating techniques

Ion Sources and Beam Optics and Accelerator Systems

Sputter sources
ECR sources
Microbeam sources
Other ion sources
Beam optics for analysis and collision studies
Microprobes

Experimental Methods and Equipment

Dosimetry
Target-temperature regulation systems
High-intensity beams
Beam scanning systems
Fitting and interpretation of energy spectra
New experimental methods
New instrumentation concepts

Beam Interactions with Materials and Atoms

Section B of:

Nuclear Instruments & Methods in Physics Research

MASTER INDEX
Volumes 211–220

Editors: H.H. Andersen, L.E. Rehn & C. Trautmann

ELSEVIER

Amsterdam • Boston • Jena • London • New York • Oxford • Paris •
Philadelphia • San Diego • St. Louis

© 2004 Elsevier B.V. All rights reserved.

This journal and the individual contributions contained in it are protected under copyright by Elsevier B.V., and the following terms and conditions apply to their use:

Photocopying. Single photocopies of single articles may be made for personal use as allowed by national copyright laws. Permission of the Publisher and payment of a fee is required for all other photocopying, including multiple or systematic copying, copying for advertising or promotional purposes, resale, and all forms of document delivery. Special rates are available for educational institutions that wish to make photocopies for non-profit educational classroom use.
Permissions may be sought directly from Elsevier's Rights Department in Oxford, UK; phone: (+44) 1865 843830; fax: (+44) 1865 853333; e-mail: permissions@elsevier.com. Requests may also be completed on-line via the Elsevier homepage (http://www.elsevier.com/locate/permissions).
In the USA, users may clear permissions and make payment through the Copyright Clearance Center, Inc., 222 Rosewood Drive, Danvers, MA 01923, USA; phone: (+1) (978) 7508400; fax: (+1) (978) 7504744, and in the UK through the Copyright Licensing Agency Rapid Clearance Service (CLARCS), 90 Tottenham Court Road, London W1P 0LP, UK; phone: (+44) (20) 7631 5555; fax: (+44) (20) 7631 5500. Other countries may have a local reprographic rights agency for payments.

Derivative works. Subscribers may reproduce tables of contents or prepare lists of articles including abstracts for internal circulation within their institutions. Permission of the Publisher is required for resale or distribution outside the institution.
Permission of the Publisher is required for all other derivative works, including compilations and translations.

Electronic storage or usage. Permission of the Publisher is required to store or use electronically any material contained in this journal, including any article or part of an article.
Except as outlined above, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the Publisher.
Address permissions requests to: Elsevier Rights Department, at the fax and e-mail addresses noted above.

Notice. No responsibility is assumed by the Publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein. Because of rapid advances in the medical sciences, in particular, independent verification of diagnoses and drug dosages should be made.
Although all advertising material is expected to conform to ethical (medical) standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer.

♾ The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper).

Printed in The Netherlands

Available online at www.sciencedirect.com
SCIENCE DIRECT
ELSEVIER
Nuclear Instruments and Methods in Physics Research B 219–220I (2004) 1–91
NIM B
Beam Interactions with Materials & Atoms
www.elsevier.com/locate/nimb

Author index of volumes 211–220

Abbas, K., see Groppi, F. 213 (2004) 373
Abdel-Hamid, H.M., S.M. El-Sayed and R.M. Radwan, High-field conduction in high-density polyethylene thin films irradiated with electron beams 215 (2004) 479
Abdul-Kader, A.M., see Nowicki, L. 219–220 (2004) 666
Abe, H., see Vacik, J. 219–220 (2004) 862
Abedin-Zadeh, R., see Brunetti, G. 213 (2004) 414
Abermann, S., see Hofer, C. 216 (2004) 178
Abo, S., see Ichihara, S. 219–220 (2004) 584
Abo, S., see Hayashi, K. 219–220 (2004) 589
Aboy, M., see Pelaz, L. 216 (2004) 41
Aboy, M., see Marqués, L.A. 216 (2004) 57
Aboy, M., L. Pelaz, L.A. Marqués and J. Barbolla, Atomistic analysis of the ion beam induced defect evolution 216 (2004) 100
Abraham, M., Ion beam analysis in art and archaeology: attacking the power precisions paradigm 219–220 (2004) 1
Abulude, S.O., see Balogun, F.A. 213 (2004) 333
Acharya, N.K., see Kumar, R. 212 (2003) 221
Adams, B.J., see Sood, A. 213 (2004) 167
Adams, F., see Veryovkin, I.V. 219–220 (2004) 215
Adams, F., see Belykh, S.F. 219–220 (2004) 278
Adams, F., see Uzonyi, I. 219–220 (2004) 555
Adams, J., see Pallone, A. 219–220 (2004) 755
Adams, J.M., Present and future trends for neutron source calibrations at the National Institute of Standards and Technology 213 (2004) 218
Added, N., see Ribas, R.V. 211 (2003) 453
Adesiyan, T.A., see Siyanbola, W.O. 215 (2004) 240
Adetunji, A.R., see Siyanbola, W.O. 215 (2004) 240
Adriaens, A., see Veryovkin, I.V. 219–220 (2004) 215
Adriaens, A., see Belykh, S.F. 219–220 (2004) 278
Aerts, G., see Milazzo, P.M. 213 (2004) 36
Afanasyev-Charkin, I.V., see Gritsyna, V.T. 218 (2004) 264
Afolabi, O.M., see Siyanbola, W.O. 215 (2004) 240
Afonso, C.N., see Pascual-Izarra, C. 219–220 (2004) 268
Agarwal, A., see Kimura, K. 211 (2003) 206
Agarwal, A., see Normand, P. 216 (2004) 228
Agazaryan, N., see Maggiore, C. 214 (2004) 181
Agosteo, S., T. Nakamura, M. Silari and Z. Zajacova, Attenuation curves in concrete of neutrons from 100 to 400 MeV per nucleon He, C, Ne, Ar, Fe and Xe ions on various targets 217 (2004) 221
Aguiló, M., see Kling, A. 218 (2004) 271
Agulló, F., see Climent-Font, A. 219–220 (2004) 400
Ahire, V.K., see Biswas, C. 212 (2003) 297
Ahlgren, T., see Pusa, P. 219–220 (2004) 95
Aidinis, C.J., see Mair, G.L.R. 211 (2003) 556
Aidinis, C.J., see Mair, G.L.R. 217 (2004) 347
Aït Abderrahim, H., see van der Meer, K. 217 (2004) 202
Ajayi, E.O.B., see Balogun, F.A. 213 (2004) 333
Akedo, J., see Wang, Q. 217 (2004) 598

doi:10.1016/S0168-583X(04)00838-9

Akhmadaliev, Ch., see Mair, G.L.R. 211 (2003) 556
Akhmadaliev, Ch., see Mair, G.L.R. 217 (2004) 347
Aktas, O.C., see Biswas, A. 217 (2004) 39
Albertazzi, E., see Lulli, G. 211 (2003) 50
Albertazzi, E., see Bianconi, M. 219–220 (2004) 232
Alcántara-Núñez, J.A., see Ribas, R.V. 211 (2003) 453
Alcón, E.P.Q., A digital detector performance evaluation using Monte Carlo technique 217 (2004) 361
Alegaonkar, P., see Soares, M.R.F. 218 (2004) 300
Alford, T.L., M.M. Mitan, R. Govindasamy and J.W. Mayer, Ion beam analysis of silver thin films on cobalt silicides 219–220 (2004) 897
Alford, T.L., see Thompson, D.C. 219–220 (2004) 968
Allab, M., see Ammi, H. 213 (2004) 60
Allard, L.F., see McHargue, C.J. 218 (2004) 227
Allegrini, F., R.F. Wimmer-Schweingruber, P. Wurz and P. Bochsler, Determination of low-energy ion-induced electron yields from thin carbon foils 211 (2003) 487
Almeida, R.M., see Marques, A.C. 219–220 (2004) 923
Alonso, J., see Quint, W. 214 (2004) 207
Alquier, D., see Cayrel, F. 216 (2004) 291
Alrick, K.R., see Morgan, G.L. 211 (2003) 297
Alton, G.D., Y. Liu, H. Zaim and S.N. Murray, An efficient negative surface ionization source for RIB generation 211 (2003) 425
Alves, E., see Barradas, N.P. 217 (2004) 479
Alves, E., see Wendler, E. 218 (2004) 36
Alves, E., see Pinto, J.V. 218 (2004) 128
Alves, E., see Marques, C. 218 (2004) 139
Alves, E., see Savoini, B. 218 (2004) 148
Alves, E., see Tardío, M. 218 (2004) 164
Alves, E., C. Marques, L.C. Ononye and C. McHargue, Defect production in nitrogen implanted sapphire 218 (2004) 222
Alves, E., see McHargue, C.J. 218 (2004) 227
Alves, E., see Barradas, N.P. 219–220 (2004) 919
Alves, E., see Marques, A.C. 219–220 (2004) 923
Alves, E., see Barradas, N.P. 219–220 (2004) 928
Alves, E., C. Marques, V.S. Amaral, J.P. Araújo, G. Cristiani, H.-U. Habermeier and J.M. Vieira, Ion beam studies of single crystalline manganite thin films 219–220 (2004) 933
Amaral, J.B., M.E.G. Valerio, M.A. Couto dos Santos and R.A. Jackson, Defect simulation and crystal field studies of Ln^{3+}:$LiCaAlF_6$ and $LiSrAlF_6$ 218 (2004) 232
Amaral, L., see Soares, M.R.F. 215 (2004) 90
Amaral, L., M. Behar, F.C. Zawislak, Editorial ..... 218 (2004) vii
Amaral, L., see Sias, U.S. 218 (2004) 405
Amaral, L., see Maltez, R.L. 218 (2004) 444
Amaral, V.S., see Alves, E. 219–220 (2004) 933
Ambacher, O., see Kosiba, R. 215 (2004) 486
Ameen, M., see Kimura, K. 211 (2003) 206
Ameen, M., see Normand, P. 216 (2004) 228
Amekura, H., see Plaksin, O. 219–220 (2004) 294
Amekura, H., see Takeda, Y. 219–220 (2004) 737
Amekura, H., H. Kitazawa and N. Kishimoto, Non-magnetic to magnetic and non-metal to metal transitions in nickel nanoparticles in SiO_2 under heat treatment 219–220 (2004) 825
Amirthapandian, S., B.K. Panigrahi, A.K. Srivastava, A. Gupta, K.G.M. Nair, R.V. Nandedkar and A. Narayanasamy, Irradiation induced metastable phase formation in thermally immiscible Co–Ag multilayers 212 (2003) 140
Ammi, H., S. Mammeri and M. Allab, Energy loss straggling of energetic ^1H and ^2H ions crossing polypropylene foils 213 (2004) 60
Amolo, G.O., J.D. Comins, A.T. Davidson, A.G. Kozakiewicz, T.E. Derry and D.S. McLachlan, Visible and VUV optical absorption studies of Mg-colloids and colour centres in MgF_2 crystals implanted by 100 keV Mg-ions 218 (2004) 244

Amoretti, M., see Fujiwara, M.C. 214 (2004) 11
Amoretti, M., see Bonomi, G. 214 (2004) 17
Amsel, G., G. Battistig and A. L'Hoir, Paradoxical features of small angle multiple scattering in matter and their implications in depth profiling with IBA 219–220 (2004) 1037
Amsler, C., see Fujiwara, M.C. 214 (2004) 11
Amsler, C., see Bonomi, G. 214 (2004) 17
Anagnostakis, E.A., see Mair, G.L.R. 217 (2004) 347
Andersen, H.H., A. Johansen, M. Olsen and V. Touboltsev, Gold-cluster ranges in aluminium, silicon and copper 212 (2003) 56
Andersen, H.H., L.E. Rehn and C. Trautmann, Editorial 215 (2004) 1
Andersen, H.H., L. Rehn and C. Trautmann, Retraction of "Energy loss and straggling of slow ions in electron gas" by Marek Moneta [Nucl. Instr. and Meth. B 159 (1999) 1–7] 215 (2004) 3
Andersson, P., see Sandström, J. 217 (2004) 513
Andó, L., see Tárkányi, F. 211 (2003) 22
Andrade, E., see Mireles, A. 219–220 (2004) 187
Andrade, E., M. Flores, S. Muhl, N.P. Barradas, G. Murillo, E.P. Zavala and M.F. Rocha, Ion beam analysis of TiN/Ti multilayers deposited by magnetron sputtering 219–220 (2004) 763
Andrade, E., Š. Chromik, Mi. Jergel, Ma. Jergel, C. Falcony, V. Štrbík and M.F. Rocha, Elemental depth profiles of MgB_2/Si precursor and superconducting films 219–220 (2004) 768
Andrade, M.B., see Sullasi, H.S. 213 (2004) 756
Angeli, E., see Tartari, A. 213 (2004) 607
Angelov, C., see Ichihara, S. 219–220 (2004) 584
Anjos, M.J., R.C. Barroso, C.A. Pérez, D. Braz, S. Moreira, K.R.H.C. Dias and R.T. Lopes, Elemental mapping of teeth using μSRXRF 213 (2004) 569
Antony, B.K., see Vinodkumar, M. 212 (2003) 63
Anwand, W., see Saudé, S. 216 (2004) 156
Aoki, T., see Kimura, K. 211 (2003) 206
Aoki, T. and J. Matsuo, Surface structure dependence of impact processes of gas cluster ions 216 (2004) 185
Aoki, T., see Matsuo, J. 219–220 (2004) 463
Aparo, M., see Brunetti, G. 213 (2004) 414
Apel, P.Yu., see Vilensky, A.I. 218 (2004) 294
Apolo, R., see Rojas-Rodriguez, I. 215 (2004) 537
Appaji Gowda, S.B., see Mallikarjuna, M.L. 215 (2004) 4
Appelman, K., see Moss, R.L. 213 (2004) 633
Arakawa, K., see Ishii, Y. 211 (2003) 415
Araujo, C., see Kaneko, T. 219–220 (2004) 236
Araújo, J.P., see Alves, E. 219–220 (2004) 933
Araujo, L.L., M. Behar, P.L. Grande and J.F. Dias, Random energy loss and straggling study of ^{9}Be ions in silicon 219–220 (2004) 246
Araújo, M.F., L. de Barros, A.C. Teixeira and A.Á. de Melo, EDXRF study of Prehistoric artefacts from Quinta do Almaraz (Cacilhas, Portugal) 213 (2004) 741
Arbuzov, V.I., see Volchek, A.O. 211 (2003) 100
Ardid, M., see Ferrero, J.L. 213 (2004) 729
Arezki, B., A. Delcorte, A.C. Chami, B.J. Garrison and P. Bertrand, Gold-thiolate cluster emission from SAMs under keV ion bombardment: Experiments and molecular dynamics simulations 212 (2003) 369
Arezki, B., see Delcorte, A. 212 (2003) 414
Arilli, C., see Massi, M. 219–220 (2004) 722
Ariyasinghe, W.M., T. Wijeratne and P. Palihawadana, Total electron scattering cross sections of CH_4 and NH_3 molecules in the energy range 400–4000 eV 217 (2004) 389
Armour, D.G., see Werner, M. 216 (2004) 67
Arnaldi, R., E. Chiavassa, A. Colla, P. Cortese, G. Dellacasa, N. De Marco, A. Ferretti, M. Gallio, A. Musso, C. Oppedisano, A. Piccotti, F. Poggio, E. Scalas, E. Scomparin, F. Sigaudo and E. Vercellin, Resistive plate chamber for thermal neutron detection 213 (2004) 284
Arnold, M., see Nie, H. 213 (2004) 579
Arnoldbik, W.M., N. Tomozeiu and F.H.P.M. Habraken, Desorption of O_2 from SiO_2 films during irradiation of SiO_2 with MeV/a.m.u. heavy ions 219–220 (2004) 312

Arora, B.M., see Nair, G.P. ... 212 (2003) 535
Arruda-Neto, J.D.T., see Deppman, A. ... 211 (2003) 15
Arstila, K., see Knapp, J.A. ... 219–220 (2004) 440
Arstila, K., see Harjunmaa, A. ... 219–220 (2004) 773
Arstila, K., J.A., Knapp, K. Nordlund and B.L. Doyle, Monte Carlo simulations of multiple scattering effects in ERD measurements ... 219–220 (2004) 1058
Artru, X., see Richard, J.-M. ... 214 (2004) 171
Aryaeinejad, R., see Gehrke, R.J. ... 213 (2004) 10
Asai, K., see Koshimizu, M. ... 212 (2003) 376
Asano, M., see Takahashi, S. ... 217 (2004) 435
Ashkenazy, Y., see Mayr, S.G. ... 212 (2003) 246
Asokan, K., see Jayavel, P. ... 212 (2003) 496
Assmann, W., see Toulemonde, M. ... 212 (2003) 346
Assmann, W., see Ghosh, S. ... 212 (2003) 431
Assmann, W., see Avasthi, D.K. ... 219–220 (2004) 206
ATHENA Collaboration, see Fujiwara, M.C. ... 214 (2004) 11
ATHENA Collaboration, see Bonomi, G. ... 214 (2004) 17
ATRAP Collaboration, see Tan, J.N. ... 214 (2004) 22
Aubert, J., see Coste, Ph. ... 217 (2004) 342
Augustyniak, M., see Przybyłowicz, W.J. ... 219–220 (2004) 57
Aumayr, F., see Winter, H. ... 212 (2003) 45
Auricchio, N., A. Donati, W. Dusi, E. Perillo and P. Siffert, A comparison between the response of compound semiconductor detectors in single and back-to-back configuration ... 213 (2004) 272
Auricchio, N., see Zanarini, M. ... 213 (2004) 315
Auth, C., see Winter, H. ... 212 (2003) 45
Auzelyte, V., see Wegdén, M. ... 219–220 (2004) 67
Auzelyte, V., see Shariff, A. ... 219–220 (2004) 110
Auzelyte, V., M. Elfman, P. Kristiansson, K. Malmqvist, L. Wallman, C. Nilsson, J. Pallon, A. Shariff and M. Wegdén, The beam blanking system for microlithography at Lund Nuclear Microprobe ... 219–220 (2004) 485
Auzelyte, V., see Shariff, A. ... 219–220 (2004) 494
Auzelyte, V., see Wegdén, M. ... 219–220 (2004) 550
Auzelyte, V., see Kristiansson, P. ... 219–220 (2004) 561
Auzelyte, V., see Pallon, J. ... 219–220 (2004) 988
Avasthi, D.K., see Singh Kamboj, M. ... 211 (2003) 369
Avasthi, D.K., see Nagabhushana, H. ... 211 (2003) 545
Avasthi, D.K., see Som, T. ... 212 (2003) 206
Avasthi, D.K., see Bajwa, N. ... 212 (2003) 233
Avasthi, D.K., see Kumar, S. ... 212 (2003) 238
Avasthi, D.K., see Kumar, S. ... 212 (2003) 242
Avasthi, D.K., see Tripathi, A. ... 212 (2003) 402
Avasthi, D.K., see Ghosh, S. ... 212 (2003) 431
Avasthi, D.K., see Nageswara Rao, S.V.S. ... 212 (2003) 442
Avasthi, D.K., see Gupta, A. ... 212 (2003) 458
Avasthi, D.K., see Nageswara Rao, S.V.S. ... 212 (2003) 473
Avasthi, D.K., see Nageswara Rao, S.V.S. ... 212 (2003) 545
Avasthi, D.K., see Pivin, J.C. ... 215 (2004) 373
Avasthi, D.K., see Biswas, A. ... 217 (2004) 39
Avasthi, D.K., see Chaudhuri, S. ... 217 (2004) 589
Avasthi, D.K., S. Ghosh, S.K. Srivastava and W. Assmann, Existence of transient temperature spike induced by SHI: evidence by ion beam analysis ... 219–220 (2004) 206
Avasthi, D.K., see Srivastava, S.K. ... 219–220 (2004) 815
Avasthi, D.K., see Ghosh, S. ... 219–220 (2004) 973
Averback, R.S., see Mayr, S.G. ... 212 (2003) 246
Averitt, R.D., see Lee, J.K. ... 219–220 (2004) 662
Avila, O. and M.E. Brandan, Low energy ion tracks in lithium fluoride ... 218 (2004) 289
Avila-Perez, P., see Martinez, T. ... 213 (2004) 584

Ayache, R., E. Richter and A. Bouabellou, Microstructure of β-$FeSi_2$ buried layers synthesis by ion implantation 216 (2004) 137
Ayrault, S., see El Khoukhi, T. 213 (2004) 770
Ayta, W.E.F., see Sullasi, H.S. 213 (2004) 756
Ayyub, P., see Som, T. 212 (2003) 151
Ayyub, P., see Som, T. 212 (2003) 206
Ayyub, P., see Ghosh, A. 212 (2003) 510
Azaïs, B., see Girard, S. 215 (2004) 187
Azarov, A.Yu., see Titov, A.I. 212 (2003) 169
Azechi, M., see Ide-Ektessabi, A. 213 (2004) 761
Azevedo, G. de M., see Ridgway, M.C. 218 (2004) 421
Azorin, J., see Rivera, T. 213 (2004) 325
Azorin, J., see Sepulveda, F. 213 (2004) 329
Azuma, T., Y. Takabayashi, T. Ito, K. Komaki, Y. Yamazaki, E. Takada and T. Murakami, Convoy electron emission from resonant coherently excited 390 MeV/u hydrogen-like Ar ions 212 (2003) 397

Babonneau, D., see Barradas, N.P. 219–220 (2004) 919
Bačáková, L., see Švorčík, V. 217 (2004) 307
Baccaro, S., A. Cemmi, C. Colombi, M. Fiocca, G. Gambarini, B. Lietti and G. Rosi, In-phantom dose mapping in neutron capture therapy by means of solid state detectors 213 (2004) 666
Baccaro, S., see Costa, L. 215 (2004) 471
Bach, P., see Nowicki, L. 219–220 (2004) 666
Bae, H.S., see Park, C.H. 216 (2004) 127
Baghdasaryan, K.S., see Grigoryan, L.Sh. 212 (2003) 51
Baginskii, A.V., see Khairulin, R.A. 215 (2004) 353
Bagwe, V.C., see Wanchoo, S.K. 212 (2003) 539
Bai, X.D., see Peng, D.Q. 211 (2003) 55
Bai, X.D., see Chen, X.W. 211 (2003) 512
Bai, X.D., see Peng, D.Q. 215 (2004) 394
Bai, X.D., X.W. Chen, J. Xu, Q.G. Zhou and B.S. Chen, Corrosion resistance and microstructure of zircaloy-4 subjected to ion irradiation 217 (2004) 293
Bailey, P., see Werner, M. 216 (2004) 67
Bajwa, N., A. Ingale, D.K. Avasthi, R. Kumar, K. Dharamvir and V.K. Jindal, Substrate effect on structural modification of C_{60} induced by 110 MeV Ni ion 212 (2003) 233
Bajwa, N., see Tripathi, A. 212 (2003) 402
Balaji, S., P.V. Satyam, V. Lakshminarayanan and S. Mohan, Influence of secondary ion bombardment on the composition, structure and surface properties of platinum thin films 217 (2004) 423
Balakrishnan, G., see Zhang, Y. 218 (2004) 89
Balanzat, E., see Toulemonde, M. 216 (2004) 1
Balboni, S., see Lulli, G. 211 (2003) 50
Balboni, S., see Bianconi, M. 219–220 (2004) 232
Baldazzi, G., T. Bernardi, J.E. Fernandez, P. Ferrari, P.L. Rossi, G. Testoni and R. Zannoli, X-rays spectroscopy with a portable Compton selection chamber: detector design and results 213 (2004) 223
Baldazzi, G., D. Bollini, M. Gambaccini, M. Gombia, L. Ramello and A. Tuffanelli, Dual energy imaging in mammography: Cross-talk study in a Si array detector 213 (2004) 603
Baldo, P.M., see Rehn, L.E. 212 (2003) 326
Balogun, F.A., J.O. Ojo, F.O. Ogundare, S.O. Abulude, M.A. Eleruja, M.K. Fasasi, G.O. Egharevba and E.O.B. Ajayi, Influence of pre-irradiation annealing and $Li_2Co_{1-x}O$ thin film deposition on the TL response of soda lime glass 213 (2004) 333
Balzan, S., M.C. Buoso, D. Ceccato, M. De Poli, V. Giaccone, G. Moschini, E. Novelli, S.O. Olabanji, P. Passi and V. Tepedino, Quantitative measurement of essential and not essential metals in muscular, hepatic and renal tissue of horses by means of PIXE technique 219–220 (2004) 72
Banerjee, D., see Ghosh, A. 212 (2003) 510
Banik, S., see Biswas, C. 212 (2003) 297
Banks, J.C., see Browning, J.F. 219–220 (2004) 317

Banks, J.C., see Braunstein, G. ... 219–220 (2004) 358
Banks, J.C., see Knapp, J.A. ... 219–220 (2004) 440
Banks, J.C., J.F. Browning, W.R. Wampler, B.L. Doyle, C.A. LaDuca, J.R. Tesmer, C.J. Wetteland and Y.Q. Wang, Round robin analyses of hydrogen isotope thin films standards ... 219–220 (2004) 444
Baptista, D.L., C.E. Foerster, C.M. Lepienski and F.C. Zawislak, Hard three-dimensional sp^2 carbon-bonded phase formed by ion beam irradiation of fullerene, a-C and polymeric a-C:H films ... 218 (2004) 61
Baptista, D.L., see Mittani, J.C.R. ... 218 (2004) 255
Baptista, D.L., I.T.S. Garcia and F.C. Zawislak, Loss of hydrogen from ion irradiated photoresist and a-C:H films ... 219–220 (2004) 846
Bar, D., see van der Meer, K. ... 217 (2004) 202
Bär, M., see Strub, E. ... 219–220 (2004) 499
Baragiola, R.A., see Riccardi, P. ... 212 (2003) 339
Barashenkov, V.S., H. Kumawat, V.A. Lobanova and V. Kumar, Mathematical model of the electronuclear set-up on the beam of JINR synchrotron ... 217 (2004) 352
Barbier, D., see Erramli, H. ... 211 (2003) 155
Barbolla, J., see Pelaz, L. ... 216 (2004) 41
Barbolla, J., see Marqués, L.A. ... 216 (2004) 57
Barbolla, J., see Aboy, M. ... 216 (2004) 100
Barbosa, A.F., see Silvani, M.I. ... 213 (2004) 294
Barbot, J.F., see Oliviero, E. ... 218 (2004) 391
Barbotteau, Y., J.L. Irigaray and Ph. Moretto, PIXE characterization of tissues surrounding metallic prostheses coated with biological glasses ... 215 (2004) 214
Barbui, M., see Fioretto, E. ... 213 (2004) 457
Barbui, M., see Lunardon, M. ... 213 (2004) 544
Barklie, R.C., see O'Raifeartaigh, C. ... 217 (2004) 442
Barmakov, Ju.N., E.P. Bogolubov, A.P. Koshelev, V.I. Mikerov and V.I. Ryzhkov, Detection quantum efficiency and spatial resolution of neutron CCD-detectors ... 213 (2004) 241
Barman, S.R., see Biswas, C. ... 212 (2003) 297
Barnes, T., Exploring QCD: from LEAR to GSI ... 214 (2004) 44
Barone, P., see Riccardi, P. ... 212 (2003) 339
Barouch, G., S. Legoupil, B. Stutz and R. Woo, Measurements within cloud cavitation by means of X-ray attenuation device ... 213 (2004) 503
Barradas, N.P., see Öhl, G. ... 211 (2003) 265
Barradas, N.P., E. Alves, S. Pereira, V.V. Shvartsman, A.L. Kholkin, E. Pereira K.P. O'Donnell, C. Liu, C.J. Deatcher, I.M. Watson and M. Mayer, Roughness in GaN/InGaN films and multilayers determined with Rutherford backscattering ... 217 (2004) 479
Barradas, N.P., R.N. Patrício, H.F.R. Pinho and A. Vieira, A general artificial neural network for analysis of RBS data of any element with Z between 18 and 83 implanted into any lighter one- or two-element target ... 219–220 (2004) 105
Barradas, N.P., see Pascual-Izarra, C. ... 219–220 (2004) 268
Barradas, N.P., V. Matias, A.D. Sequeira, J.C. Soares, U. Kreissig, J.U. Wang and P.P. Freitas, He-RBS, He-ERDA and heavy ion-ERDA analysis of Si/Ta 70 Å/CoFe 35 Å/$HfAlO_x$/CoFe 35 Å/Ta 30 Å systems ... 219–220 (2004) 742
Barradas, N.P., see Andrade, E. ... 219–220 (2004) 763
Barradas, N.P., E. Alves and D. Babonneau, Characterization of FePt nanoparticles in FePt/C multilayers ... 219–220 (2004) 919
Barradas, N.P., E. Alves, C.M. Ruiz, E. Diéguez, F. Dimroth, M.-A. Chenot and A. Bett, RBS analysis of AlGaSb thin films ... 219–220 (2004) 928
Barrea, R.A., C.A. Pérez and H.J. Sánchez, Barium L subshells Coster–Kronig and fluorescence yields by the subshell selective photoionization method ... 215 (2004) 308
Barrera, V.A., see Miranda, J. ... 219–220 (2004) 157
Barrett, R.F., see Forster, R.A. ... 213 (2004) 82
Barros Leite, C.V., see Dias da Cunha, K. ... 217 (2004) 649
Barroso, R.C., see Anjos, M.J. ... 213 (2004) 569
Barry, B. and A. Markwitz, A method for improving the efficiency of proton microprobe profiling of strontium in otoliths using a vacuum compatible NaI detector ... 217 (2004) 521
Bartynski, R.A., see Wielunski, L.S. ... 219–220 (2004) 708
Barué, C., see Lehérissier, P. ... 211 (2003) 274
Basnar, B., see Lugstein, A. ... 217 (2004) 402

Bassalleck, B., A. Berdoz, C. Bradtke, R. Bröders, B. Bunker, H. Dennert, H. Dutz, S. Eilerts, W. Eyrich, D. Fields, H. Fischer, G. Franklin, J. Franz, R. Gehring, R. Geyer, S. Goertz, N. Hamann, J. Harmsen, J. Hauffe, F. Heinsius, D. Hertzog, T. Johansson, T. Jones, P. Khaustov, K. Kilian, P. Kingsberry, E. Kriegler, J. Lowe, A. Meier, A. Metzger, C. Meyer, W. Meyer, M. Moosburger, W. Oelert, K. Paschke, M. Plückthun, S. Pomp, B. Quinn, G. Reicherz, K. Röhrich, K. Sachs, H. Schmitt, B. Schoch, T. Sefzick, F. Stinzing, R. Stotzer, R. Tayloe and St. Wirth, Depolarization and spin transfer in $\bar{p}p \to \bar{\Lambda}\Lambda$ with a polarized target 214 (2004) 167
Bassler, N., see Maggiore, C. 214 (2004) 181
Bastiano, M., see Fernandez, J.E. 213 (2004) 105
Battaglin, G., see de Julián Fernández, C. 216 (2004) 245
Battaglin, G., see Mattei, G. 218 (2004) 433
Battistig, G., J. García López, Y. Morilla, N.Q. Khánh, T. Lohner, P. Petrik and A.R. Ramos, Effect of ion current density on damage in Al ion implanted SiC 219–220 (2004) 652
Battistig, G., see Trimaille, I. 219–220 (2004) 914
Battistig, G., see Amsel, G. 219–220 (2004) 1037
Baturin, V., see Guenther, M. 216 (2004) 143
Bauer, P., see Draxler, M. 219–220 (2004) 578
Bäuerle, D., see Švorčík, V. 217 (2004) 307
Baumann, H., see Markwitz, A. 217 (2004) 583
Baumgärtner, F., see Li, X. 215 (2004) 246
Baumvol, I.J., see Trimaille, I. 219–220 (2004) 914
Bautista, J., see Miller, R.B. 211 (2003) 562
Beaufort, M.F., see Oliviero, E. 218 (2004) 391
Beauvy, M., see Gentils, A. 218 (2004) 457
Beck, L., see Pellegrino, S. 219–220 (2004) 140
Beck, L., A. de Château-Thierry, J.-P. Frontier, S. Pellegrino and Ph. Trouslard, 25 years of IBA teaching experience at the National Institute for Nuclear Science and Technology, France 219–220 (2004) 394
Beddoe, A.H., see Yin, Z. 213 (2004) 646
Behar, M., see Soares, M.R.F. 215 (2004) 90
Behar, M., see Amaral, L. ..... 218 (2004) vii
Behar, M., see Soares, M.R.F. 218 (2004) 300
Behar, M., see Kaschny, J.R. 218 (2004) 308
Behar, M., see Sias, U.S. 218 (2004) 405
Behar, M., see Lopes, J.M.J. 218 (2004) 438
Behar, M., see Maltez, R.L. 218 (2004) 444
Behar, M., see Araujo, L.L. 219–220 (2004) 246
Behar, M., see Mörschbächer, M.J. 219–220 (2004) 703
Behar, M., see da Silva, D.L. 219–220 (2004) 713
Beikler, R., see Draxler, M. 219–220 (2004) 578
Beknazarov, M., S. Blazhevich and V. Grishin, Deformation of relativistic electron radiation spectra under conditions of multiple production of photons 212 (2003) 82
Belekar, M.M., see Nair, G.P. 212 (2003) 535
Belgya, T. and G.L. Molnár, Accurate relative γ-ray intensities from neutron capture on natural chromium 213 (2004) 29
Belgya, T., see Molnár, G.L. 213 (2004) 32
Belgya, T., see Révay, Zs. 213 (2004) 385
Belgya, T., see Molnár, G.L. 213 (2004) 389
Belgya, T., see Ember, P.P. 213 (2004) 406
Belko, V., see Gao, F. 218 (2004) 74
Bell, J.M., see Wielunski, L.S. 215 (2004) 262
Bell, J., see Tesfamichael, T. 217 (2004) 97
Bellachioma, C., see Codino, A. 211 (2003) 107
Bello, V., see de Julián Fernández, C. 216 (2004) 245
Bello, V., see Mattei, G. 218 (2004) 433
Belochitskii, P., T. Eriksson and S. Maury, The CERN antiproton decelerator (AD) in 2002: status, progress and machine development results 214 (2004) 176
Beltsios, K., see Normand, P. 216 (2004) 228
Belyakov, V.S., see Titov, A.I. 212 (2003) 169

Belykh, S.F., see Veryovkin, I.V. ... 219–220 (2004) 215
Belykh, S.F., V.V. Palitsin, A. Adriaens and F. Adams, Non-additivity of multiply charged ion emission from Si and Al produced by molecular projectiles ... 219–220 (2004) 278
Ben Assayag, G., see Normand, P. ... 216 (2004) 228
Benazzouz, C., N. Benouattas, S. Iaiche and A. Bouabellou, Study of diffusion at surface of multilayered Cu/Au films on monocrystalline silicon ... 213 (2004) 519
Beneitez, P., see Enguita, O. ... 219–220 (2004) 53
Benjelloun, M., see Nachab, A. ... 215 (2004) 228
Benouattas, N., see Benazzouz, C. ... 213 (2004) 519
Benyagoub, A., see Tisserand, R. ... 215 (2004) 129
Benyagoub, A., Swift heavy ion induced crystalline-to-crystalline phase transition in zirconia and hafnia: a comparative study ... 218 (2004) 451
Benzi, V., F. Mezzetti, F. Rocchi and M. Sumini, Feasibility analysis of a Plasma Focus neutron source for BNCT treatment of transplanted human liver ... 213 (2004) 611
Bera, S., D.K. Goswami, K. Bhattacharjee, B.N. Dev, G. Kuri, K. Nomoto and K. Yamashita, Ion irradiation induced impurity redistribution in Pt/C multilayers ... 212 (2003) 530
Berdinsky, A.S., see Fink, D. ... 218 (2004) 355
Berdoz, A., see Bassalleck, B. ... 214 (2004) 167
Berényi, D., see Sulik, B. ... 212 (2003) 32
Berger, P., S. Pruvost, C. Hérold and P. Lagrange, Proton enhanced scattering and nuclear reaction analysis microcharacterization of ternary graphite–lithium–calcium intercalation compounds ... 219–220 (2004) 1005
Bergmaier, A., see Dollinger, G. ... 219–220 (2004) 333
Bergmaier, A., see Reichart, P. ... 219–220 (2004) 980
Bergman, J., see Tárkányi, F. ... 211 (2003) 22
Bergo, P.V.A., see da Rocha, M.S.F. ... 218 (2004) 183
Bergsmann, M., see Draxler, M. ... 219–220 (2004) 578
Berkovits, D., see van der Meer, K. ... 217 (2004) 202
Bernaola, O.A., see Francisco, D.H. ... 218 (2004) 461
Bernardi, T., see Baldazzi, G. ... 213 (2004) 223
Bernas, H., see Espiau de Lamaestre, R. ... 216 (2004) 402
Bernhard, T., R. Pfandzelter and H. Winter, Triangulation of a Cu(0 0 1) surface and an ultra-thin Mn film via grazing ion surface scattering ... 219–220 (2004) 567
Bernstorff, S., see Dubček, P. ... 215 (2004) 122
Bernstorff, S., see Desnica, U.V. ... 216 (2004) 407
Bernussi, A.A., see Maltez, R.L. ... 218 (2004) 444
Berry, M., see Borsaru, M. ... 213 (2004) 530
Bertagnolli, E., see Lugstein, A. ... 217 (2004) 402
Berthoumieux, E., see Milazzo, P.M. ... 213 (2004) 36
Berti, M., see Mirabella, S. ... 216 (2004) 80
Berti, M., see De Salvador, D. ... 216 (2004) 286
Bertrand, P., see Arezki, B. ... 212 (2003) 369
Bett, A., see Barradas, N.P. ... 219–220 (2004) 928
Bettoni, D. (for the E835 Collaboration), Study of charmonium states formed in $\bar{p}p$ annihilations: results from Fermilab E835 ... 214 (2004) 56
Bettuzzi, M., S. Cornacchia, M. Rossi, E. Paltrinieri, M.P. Morigi, R. Brancaccio, D. Romani and F. Casali, A new linear array detector for high resolution and low dose digital radiography ... 213 (2004) 227
Bettuzzi, M., F. Ravaioli, R. Rosa, M. Rossi, E. Paltrinieri, M.P. Morigi, R. Brancaccio, D. Romani and F. Casali, High resolution determination of the spatial distribution of radioisotopes with a digital intensified detector ... 213 (2004) 300
Bettuzzi, M., see Casali, F. ... 213 (2004) 616
Beyer, G., see Maggiore, C. ... 214 (2004) 181
Bhatt, G., see Chauhan, A.R. ... 212 (2003) 451
Bhattacharjee, K., see Bera, S. ... 212 (2003) 530
Bhattacharya, D., see Mandal, A.C. ... 217 (2004) 104
Bhattacharyya, D., see Chaudhuri, S. ... 217 (2004) 589
Bhattacharyya, S.R., see Datta, D. ... 212 (2003) 201
Bhattacharyya, S.R., see Datta, D. ... 212 (2003) 216

Bhole, K.G., see Kamalapurkar, B.A. 211 (2003) 383
Bhole, K.G., B.A. Kamalapurkar, S.K. Dubey, A.D. Yadav, T.K. Gundu Rao, T. Mohanti and D. Kanjilal, High-energy ion implantation of iron in silicon 212 (2003) 525
Bianconi, M., see Lulli, G. 211 (2003) 50
Bianconi, M., see Zanarini, M. 213 (2004) 315
Bianconi, M., E. Albertazzi, S. Balboni and G. Lulli, Analysis of ion implanted silicon by RBS-channeling: influence of the damage model 219–220 (2004) 232
Bianconi, M., see Pascual-Izarra, C. 219–220 (2004) 268
Bichlmeier, S., see Vittiglio, G. 213 (2004) 693
Biggs, M., see Borsaru, M. 213 (2004) 530
Binns, C., see Finetti, P. 215 (2004) 565
Birattari, C., see Gambarini, G. 213 (2004) 321
Birattari, C., see Bonardi, M.L. 213 (2004) 348
Birattari, C., see Groppi, F. 213 (2004) 373
Bird, A.J., see Wright, G.A. 213 (2004) 162
Biró, K.T., see Szíki, G.Á. 219–220 (2004) 508
Birtcher, R.C., see Rehn, L.E. 212 (2003) 326
Birtcher, R.C., S.E. Donnelly and S. Schlutig, Nanoparticle ejection from gold during ion irradiation 215 (2004) 69
Bisceglie, E., see Terlizzi, R. 213 (2004) 210
Bischoff, L., see Mair, G.L.R. 211 (2003) 556
Bischoff, L., see Mair, G.L.R. 217 (2004) 347
Bisello, D., M. Dal Maschio, P. Giubilato, A. Kaminsky, M. Nigro, D. Pantano, R. Rando, M. Tessaro and J. Wyss, A novel sensor for ion electron emission microscopy 219–220 (2004) 1000
Bishop, S., see Greife, U. 217 (2004) 1
Bisognin, G., see Mirabella, S. 216 (2004) 80
Bisognin, G., see De Salvador, D. 216 (2004) 286
Bisognin, G., see Romano, L. 219–220 (2004) 727
Bissell, L.J., see Smith, R.J. 219–220 (2004) 631
Biswas, A., D.K. Avasthi, D. Fink, J. Kanzow, U. Schürmann, S.J. Ding, O.C. Aktas, U. Saeed, V. Zaporojtchenko, F. Faupel, R. Gupta and N. Kumar, Nanoparticle architecture in carbonaceous matrix upon swift heavy ion irradiation of polymer–metal nanocomposites 217 (2004) 39
Biswas, A., see Fink, D. 218 (2004) 355
Biswas, C., A.K. Shukla, S. Banik, V.K. Ahire and S.R. Barman, XPS and LEED study of Argon bombarded Al(1 1 1) surface 212 (2003) 297
Biswas, S., see Chaudhuri, S. 217 (2004) 589
Blackmore, E., see Maggiore, C. 214 (2004) 181
Blagus, S., D. Sudac and V. Valkovic, Hidden substances identification by detection of fast neutron induced γ rays using associated α particle technique 213 (2004) 434
Blak, A.R., see Carvalhaes, R.P.M. 218 (2004) 158
Blak, A.R., see da Rocha, M.S.F. 218 (2004) 183
Blanchet, X., see Innegraeve, O. 219–220 (2004) 191
Blazhevich, S., see Beknazarov, M. 212 (2003) 82
Blazhevich, S.V., G.L. Bochek, V.I. Kulibaba, N.I. Maslov, N.N. Nasonov and B.I. Shramenko, Orientation effects in angle distribution of the relativistic electron radiation in single crystals 212 (2003) 88
Blin, D., see Ganem, J.-J. 219–220 (2004) 856
Blondiaux, G., see Erramli, H. 211 (2003) 155
Blostein, J.J., J. Dawidowski and J.R. Granada, Final energy distributions in deep inelastic neutron scattering experiments 217 (2004) 333
Blum, Y., see Vomiero, A. 211 (2003) 401
Boatner, L.A., see Feldman, L.C. 212 (2003) 1
Bobek, T., see Hofer, C. 216 (2004) 178
Bobkov, V.V., S.P. Gokov, V.V. Gritsyna, V.T. Gritsyna and D.I. Shevchenko, Effect of oxide band structure on the emission process of excited atoms under ion bombardment 218 (2004) 46
Bochek, G.L., see Blazhevich, S.V. 212 (2003) 88
Bochsler, P., see Allegrini, F. 211 (2003) 487
Bock, W., see Gnaser, H. 219–220 (2004) 880
Boerma, D.O., see Grachev, S.Y. 219–220 (2004) 593

Bogolubov, E.P., see Barmakov, Ju.N. ... 213 (2004) 241
Bogolubov, Ye.P., S.A. Korotkov, L.A. Korytko, V.G. Morukov, V.I. Nazarov, Yu.G. Polkanov and T.O. Khasaev, Method and system based on pulsed neutron generator for fissile material detection in luggage ... 213 (2004) 439
Bogomolova, L.D., A.M. Borisov, V.A. Kurnaev and E.S. Mashkova, Modification of graphite surface layers by nitrogen ion irradiation ... 212 (2003) 164
Bogovac, M., see Krecak, Z. ... 213 (2004) 310
Bohne, W., J. Röhrich, A. Schöpke, B. Selle, I. Sieber, W. Fuhs, Á. del Prado, E. San Andrés, I. Mártil and G. González-Díaz, Compositional analysis of thin SiO$_x$N$_y$:H films by heavy-ion ERDA, standard RBS, EDX and AES: a comparison ... 217 (2004) 237
Bohne, W., see Strub, E. ... 219–220 (2004) 499
Boizot, B., see Ollier, N. ... 218 (2004) 176
Bokor, J., see Schenkel, T. ... 219–220 (2004) 200
Bolbos, R., see Hermanne, A. ... 217 (2004) 193
Boldyryeva, H., N. Kishimoto, N. Umeda, K. Kono, O.A. Plaksin and Y. Takeda, Surface modificationand nanoparticle formation by negative ion implantation of polymers ... 219–220 (2004) 953
Bollini, D., see Baldazzi, G. ... 213 (2004) 603
Bolotovskii, B.M. and A.V. Serov, Erratum to "Coherent transition radiation from spherical electron bunch" [Nucl. Instr. and Meth. B 201 (2003) 49–54] ... 211 (2003) 161
Bolse, W., see Kumar, S. ... 212 (2003) 242
Bolse, W., B. Schattat, A. Feyh and T. Renz, Atomic transport in ceramics induced by electronic energy deposition (invited) ... 218 (2004) 80
Bolse, W. and J. Wiesner, Decoration of swift heavy ion tracks in nickel-oxide with gold atoms ... 218 (2004) 479
Bonafos, C., see Garrido, B. ... 216 (2004) 213
Bonafos, C., see Normand, P. ... 216 (2004) 228
Bonanno, A., see Riccardi, P. ... 212 (2003) 339
Bonardi, M.L., C. Birattari, F. Groppi, L. Gini, C.H.S. Mainardi and E. Menapace, Determination of ^{125}I impurities in [^{123}I]labelled radiopharmaceuticals, by liquid scintillation counting: sensitivity of the method ... 213 (2004) 348
Bonardi, M.L., see Groppi, F. ... 213 (2004) 373
Bondioli, L., see Rossi, M. ... 213 (2004) 747
Bonifazzi, C., see Tartari, A. ... 213 (2004) 206
Bonifazzi, C., A. Tartari, M.N. Cinti, L. Nanetti, R. Pellegrini and R. Pani, Description of the response in scintillation crystal arrays: analytical versus statistical approaches ... 213 (2004) 231
Bonifazzi, C., E. Lodi, G. Maino, V. Muzzioli, L. Nanetti, N. Ludwig, M. Milazzo and A. Tartari, Investigation of defects in Fresco substrates by means of the ECoSp imaging system and the principal component image analysis ... 213 (2004) 707
Bonifazzi, C., E. Lodi, G. Maino, V. Muzzioli, L. Nanetti and A. Tartari, Multivariate image analysis of ECoSp Compton spectra ... 213 (2004) 712
Bonomi, G., see Fujiwara, M.C. ... 214 (2004) 11
Bonomi, G., M. Amoretti, C. Amsler, A. Bouchta, P. Bowe, C. Carraro, C.L. Cesar, M. Charlton, M. Doser, V. Filippini, A. Fontana, M.C. Fujiwara, R. Funakoshi, P. Genova, J.S. Hangst, R.S. Hayano, L.V. Jørgensen, V. Lagomarsino, R. Landua, D. Lindelöf, E. Lodi Rizzini, M. Macrì, N. Madsen, P. Montagna, H. Pruys, C. Regenfus, P. Riedler, A. Rotondi, G. Testera, A. Variola, D.P. van der Werf and ATHENA Collaboration, Temperature dependence of anti-hydrogen production in the ATHENA experiment ... 214 (2004) 17
Booth, T.E., see Forster, R.A. ... 213 (2004) 82
Borisov, A.M., see Bogomolova, L.D. ... 212 (2003) 164
Börjesson, J., see O'Meara, J.M. ... 213 (2004) 560
Borsaru, M., J. Charbucinski, A. Rojc, N.D. Thanh and N.T. Tuy, Probe for determination of ash in coal stockpiles ... 213 (2004) 422
Borsaru, M., M. Berry, M. Biggs and A. Rojc, In situ determination of sulphur in coal seams and overburden rock by PGNAA ... 213 (2004) 530
Bottacini, E., see Labanti, C. ... 213 (2004) 260
Bouabellou, A., see Benazzouz, C. ... 213 (2004) 519
Bouabellou, A., see Chemam, R. ... 216 (2004) 116
Bouabellou, A., see Ayache, R. ... 216 (2004) 137
Bouchta, A., see Fujiwara, M.C. ... 214 (2004) 11
Bouchta, A., see Bonomi, G. ... 214 (2004) 17

Boudinov, H., see Parizotto, R. ... 218 (2004) 362
Boudinov, H., see Coelho, A.V.P. ... 218 (2004) 381
Boudinov, H., see Pesenti, G.C. ... 218 (2004) 386
Boudinov, H., see Sias, U.S. ... 218 (2004) 405
Boudreault, G., G. Claudio, C. Jeynes, R. Low and B.J. Sealy, Accurate calibration of the retained fluence from a versatile single wafer implanter using RBS ... 217 (2004) 177
Bouffard, S., see Tisserand, R. ... 215 (2004) 129
Boukenter, A., see Girard, S. ... 215 (2004) 187
Bouquillon, A., see Zucchiatti, A. ... 219–220 (2004) 20
Bourhis-Martin, E., see Moss, R.L. ... 213 (2004) 633
Bowden, N.S., see Tan, J.N. ... 214 (2004) 22
Bowe, P., see Fujiwara, M.C. ... 214 (2004) 11
Bowe, P., see Bonomi, G. ... 214 (2004) 17
Bradley, D.A., see Muthuvelu, P. ... 213 (2004) 548
Bradley, D.A., see Hugtenburg, R.P. ... 213 (2004) 552
Bradley, D.A., see Geraki, K. ... 213 (2004) 564
Bradtke, C., see Bassalleck, B. ... 214 (2004) 167
Braga, C.F., see Teixeira, E.C. ... 215 (2004) 203
Braga, D., see Carrez, P. ... 211 (2003) 549
Brancaccio, R., see Bettuzzi, M. ... 213 (2004) 227
Brancaccio, R., see Bettuzzi, M. ... 213 (2004) 300
Brancaccio, R., see Casali, F. ... 213 (2004) 616
Brandan, M.E., see Avila, O. ... 218 (2004) 289
Brandolini, F., see Ribas, R.V. ... 211 (2003) 453
Brauer, G., see Saudé, S. ... 216 (2004) 156
Bräuning, H., see Hathiramani, D. ... 212 (2003) 67
Braunstein, G., M. Duffy, S. Maina, B. Tonner and J.C. Banks, Heavy ion backscattering spectrometry at the University of Central Florida ... 219–220 (2004) 358
Braz, D., see Silvani, M.I. ... 213 (2004) 294
Braz, D., R.T. Lopes and L.M.G. Motta, Research on fatigue cracking growth parameters in asphaltic mixtures using computed tomography ... 213 (2004) 498
Braz, D., see Anjos, M.J. ... 213 (2004) 569
Brecher, C., see Nagarkar, V.V. ... 213 (2004) 250
Brede, H.J., see Greif, K.-D. ... 217 (2004) 505
Breese, M.B.H., see Seng, H.L. ... 215 (2004) 235
Breese, M.B.H., see Simon, A. ... 219–220 (2004) 405
Brett, D.A., see Ridgway, M.C. ... 218 (2004) 421
Bricault, P., see Rauth, C. ... 215 (2004) 268
Brice, D.K., see Rossi, P. ... 219–220 (2004) 327
Briesmeister, J.F., see Forster, R.A. ... 213 (2004) 82
Bröders, R., see Bassalleck, B. ... 214 (2004) 167
Brown, F.B., see Forster, R.A. ... 213 (2004) 82
Browning, J.F., J.C. Banks, W.R. Wampler and B.L. Doyle, Cross-sections for the elastic recoil of hydrogen isotopes for high energy helium ions ... 219–220 (2004) 317
Browning, J.F., see Banks, J.C. ... 219–220 (2004) 444
Brunella, V., see Costa, L. ... 215 (2004) 471
Brunetti, A., see Golosio, B. ... 213 (2004) 108
Brunetti, A., see Cesareo, R. ... 213 (2004) 703
Brunetti, G., F.V. Frazzoli, D. Parise, T. Dragnev, R. Abedin-Zadeh, M. Aparo, S. Guardini and A. Ravazzani, An application of gamma/X-ray/weighing methods for the complete in field assay of nuclear materials ... 213 (2004) 414
Brunetti, M.T., see Codino, A. ... 211 (2003) 107
Bubb, I.F., see Franich, R.D. ... 219–220 (2004) 87
Buccolieri, G., see Cesareo, R. ... 213 (2004) 703
Buchal, Ch., see Dietrich, M. ... 216 (2004) 110
Buchmann, L., see Greife, U. ... 217 (2004) 1
Budnar, M., see Uršič, M. ... 211 (2003) 7

Budnar, M., J. Simčič, Z. Rupnik, M. Uršič, P. Pelicon, J. Kolar and M. Strlič, In-air PIXE set-up for automatic analysis of historical document inks ... 219–220 (2004) 41
Buljan, M., see Desnica, U.V. ... 216 (2004) 407
Bull, J.S., see Forster, R.A. ... 213 (2004) 82
Bulska, E., see Proost, K. ... 213 (2004) 723
Bunker, B., see Bassalleck, B. ... 214 (2004) 167
Buoso, M.C., see Balzan, S. ... 219–220 (2004) 72
Burnett, D.S., see Veryovkin, I.V. ... 219–220 (2004) 473
Bustreo, N., see Milazzo, P.M. ... 213 (2004) 36
Butcher, K.S.A., see Shrestha, S.K. ... 219–220 (2004) 686
Butz, T., see Reinert, T. ... 219–220 (2004) 77
Butz, T., see Menzel, F. ... 219–220 (2004) 82
Butz, T., see Spemann, D. ... 219–220 (2004) 693
Butz, T., see Spemann, D. ... 219–220 (2004) 886
Butz, T., see Spemann, D. ... 219–220 (2004) 891
Byun, S.H., G.M. Sun and H.D. Choi, Prompt gamma activation analysis of boron in reference materials using diffracted polychromatic neutron beam ... 213 (2004) 535

Cabrera, L., see Martinez, T. ... 213 (2004) 584
Cáceres, D., see Savoini, B. ... 218 (2004) 148
Cagnana, A., see Zucchiatti, A. ... 219–220 (2004) 20
Calaway, W.F., see Veryovkin, I.V. ... 219–220 (2004) 473
Calaway, W.F., see Veryovkin, I.V. ... 219–220 (2004) 1051
Calcagnile, L., G. Quarta, M. D'Elia, A. Gottdang, M. Klein and D.J.W. Mous, Radiocarbon precision tests at the Lecce AMS facility using a sequential injection system ... 215 (2004) 561
Calcagnile, L., see Quarta, G. ... 217 (2004) 644
Caldas, L.V.E., see Souza, D.N. ... 218 (2004) 123
Caldas, L.V.E., see Teixeira, M.I. ... 218 (2004) 194
Caldas, L.V.E., see Melo, A.P. ... 218 (2004) 198
Calderón, T., see Enguita, O. ... 219–220 (2004) 53
Calderón, T., see Enguita, O. ... 219–220 (2004) 384
Calligaro, T., see Dran, J.-C. ... 219–220 (2004) 7
Calvayrac, Y., see Coddens, G. ... 211 (2003) 122
Calvo, P., see Cristiano, F. ... 216 (2004) 46
Calvo, P., see Colombeau, B. ... 216 (2004) 90
Calvo, P., A. Claverie, N. Cherkashin, B. Colombeau, Y. Lamrani, B. de Mauduit and F. Cristiano, Thermal evolution of {1 1 3} defects in silicon: transformation against dissolution ... 216 (2004) 173
Calvo, P., see Lamrani, Y. ... 216 (2004) 281
Calvo del Castillo, H., see Grassi, N. ... 219–220 (2004) 48
Camargo, F., see Sastry, M.D. ... 213 (2004) 751
Campbell, J.L., see Denker, A. ... 219–220 (2004) 130
Campbell, J.L., see Nejedly, Z. ... 219–220 (2004) 136
Campbell, J.L., see Papp, T. ... 219–220 (2004) 503
Campos, L.L., see Da Costa, Z.M. ... 218 (2004) 283
Canepa, M., see Pasquali, L. ... 212 (2003) 274
Canet, C., see Lehérissier, P. ... 211 (2003) 274
Canetta, E. and G. Maino, Molecular dynamic analysis of the structure of dendrimers ... 213 (2004) 71
Cano-Ott, D., see Milazzo, P.M. ... 213 (2004) 36
Canut, B., P. Thevenard and C. Jardin, Nanotip processing on TiO_2 surfaces irradiated with fullerenes in the electronic regime ... 218 (2004) 487
Carballo, J., see Ferrero, J.L. ... 213 (2004) 729
Carbonell, J., see Voronin, A.Yu. ... 214 (2004) 139
Carlos, L.D., see Dahmouche, K. ... 211 (2003) 160
Carmody, C., see Pesenti, G.C. ... 218 (2004) 386
Carmo Oliveira, M., see Oliveira, C. ... 213 (2004) 662
Carnera, A., see Mirabella, S. ... 216 (2004) 80

Carnera, A., see De Salvador, D. ... 216 (2004) 286
Carpena, J., see Tisserand, R. ... 215 (2004) 129
Carrada, M., see Garrido, B. ... 216 (2004) 213
Carraro, C., see Fujiwara, M.C. ... 214 (2004) 11
Carraro, C., see Bonomi, G. ... 214 (2004) 17
Carrasco Lourtau, A.M., see Rubio Montero, M.P. ... 213 (2004) 429
Carrez, P., C. Forterre, D. Braga and H. Leroux, Phase separation in metamict zircon under electron irradiation ... 211 (2003) 549
Carstanjen, H.D., see Tripathi, A. ... 212 (2003) 402
Carstanjen, H.D., see Srivastava, S.K. ... 219–220 (2004) 364
Carstanjen, H.D., see Tripathi, A. ... 219–220 (2004) 435
Carstanjen, H.D., see Srivastava, S.K. ... 219–220 (2004) 815
Carvalhaes, R.P.M., M.S. Rocha, S.S. de Souza and A.R. Blak, Depolarization currents in Al_2O_3 and $MgAl_2O_4$ oxides ... 218 (2004) 158
Carvalhaes, R.P.M., see da Rocha, M.S.F. ... 218 (2004) 183
Casali, F., see Bettuzzi, M. ... 213 (2004) 227
Casali, F., see Bettuzzi, M. ... 213 (2004) 300
Casali, F., M. Rossi, M.P. Morigi, R. Brancaccio, E. Paltrinieri, M. Bettuzzi, D. Romani, M. Ciocca, G. Tosi,C. Ronsivalle and M. Vignati, An electron beam imaging system for quality assurance in IORT ... 213 (2004) 616
Casali, F., see Rossi, M. ... 213 (2004) 747
Casares, A., see Ishida, Y. ... 219–220 (2004) 468
Castellano, A., see Cesareo, R. ... 213 (2004) 703
Cattaruzza, E., see Mattei, G. ... 218 (2004) 433
Causey, R.A., see Hertz, K.L. ... 215 (2004) 143
Cavallini, A., see Zanarini, M. ... 213 (2004) 315
Caymax, M., see Mörschbächer, M.J. ... 219–220 (2004) 703
Cayrel, F., D. Alquier, D. Mathiot, L. Ventura, L. Vincent, G. Gaudin and R. Jérisian, A simple model for boron trapping by He implantation extended defects in Si: the role of boron diffusivity ... 216 (2004) 291
Ceberg, C., see Wegdén, M. ... 219–220 (2004) 67
Ceccato, D., see Balzan, S. ... 219–220 (2004) 72
Ceccato, D., see Chiminello, F. ... 219–220 (2004) 171
Čechák, T., J. Gerndt, I. Kopecká and L. Musilek, X-ray fluorescence in research on Czech cultural monuments ... 213 (2004) 735
Cecilia, A., see Costa, L. ... 215 (2004) 471
Cemmi, A., see Baccaro, S. ... 213 (2004) 666
Cennini, P., see Milazzo, P.M. ... 213 (2004) 36
Cerruti, C., J.P. Stoquert, C. D'Orléans, C. Estournès, J.J. Grob, J.L. Guille, F. Haas, D. Muller and M. Richard-Plouet, Ion beam synthesis of Co nanoparticles in SiO_2: Monte Carlo simulation ... 216 (2004) 329
Cerruti, C., see D'Orléans, C. ... 216 (2004) 372
Cerullo, N., G.G. Daquino, L. Muzi and J. Esposito, Development of a treatment planning system for BNCT based on positron emission tomography data: preliminary results ... 213 (2004) 637
Cerullo, N., J. Esposito and G.G. Daquino, Spectrum shaping assessment of accelerator-based fusion neutron sources to be used in BNCT treatment ... 213 (2004) 641
Cesar, C.L., see Fujiwara, M.C. ... 214 (2004) 11
Cesar, C.L., see Bonomi, G. ... 214 (2004) 17
Cesareo, R., Non-destructive EDXRF-analysis of the golden haloes of Giotto's frescos in the Chapel of the Scrovegni in Padua ... 211 (2003) 133
Cesareo, R., see Golosio, B. ... 213 (2004) 108
Cesareo, R., A. Castellano, G. Buccolieri, S. Quarta, M. Marabelli, P. Santopadre, M. Leole and A. Brunetti, Portable equipment for energy dispersive X-ray fluorescence analysis of Giotto's frescoes in the Chapel of the Scrovegni ... 213 (2004) 703
Cesca, T., A. Gasparotto, B. Fraboni and F. Priolo, Annealing behavior of high temperature implanted Fe impurities in n-InP ... 216 (2004) 105
Ceylan, M., see Zengin, R. ... 217 (2004) 327
Chadderton, L.T., see Fink, D. ... 218 (2004) 355
Chae, K.H., see Son, J.H. ... 216 (2004) 346
Chae, K.H., see Kim, H.B. ... 216 (2004) 367

Chakir, E., see El Khoukhi, T. 213 (2004) 770
Chakraborty, P., see Sarkar, S. 212 (2003) 364
Chakraborty, P., see Mohapatra, S. 217 (2004) 578
Chakravortty, V., see Nayak, P.K. 215 (2004) 252
Chami, A.C., see Arezki, B. 212 (2003) 369
Chandra, A., see Fink, D. 218 (2004) 355
Chandrasekaran, K.S., see Nair, G.P. 212 (2003) 535
Chandrashekaran, K.S., see Kamalapurkar, B.A. 211 (2003) 383
Chankow, N. and S. Pojchanachai, A unit for inspection of materials using differential gamma-ray scattering technique 213 (2004) 418
Chankow, N., A. Pattarasumunt and C. Po-Lee, A simple technique to improve sensitivity of a β backscatter gauge 213 (2004) 426
Charbucinski, J., see Borsaru, M. 213 (2004) 422
Charlton, M., see Fujiwara, M.C. 214 (2004) 11
Charlton, M., see Bonomi, G. 214 (2004) 17
Charre, P., see Girard, S. 215 (2004) 187
Chatterjee, M.L., see Greife, U. 217 (2004) 1
Chatterjee, R., see Coddens, G. 211 (2003) 122
Chaudhuri, S., S. Biswas, A. Gupta, D.K. Avasthi, D. Bhattacharyya, S. Teichert and D.K. Sarkar, Formation of transition metal silicides by high energy ion beam mixing in Mn/Si and Ni/Si single and multilayer samples 217 (2004) 589
Chauhan, A.R., G. Bhatt, A.D. Yadav, S.K. Dubey and T.K. Gundu Rao, Synthesis of silicon oxynitride layers by dual ion-implantation and their annealing behaviour 212 (2003) 451
Chauhan, R.S., see Kumar, S. 212 (2003) 238
Chauhan, R.S., see Kumar, S. 212 (2003) 242
Chawla, R., see Negreanu, C. 213 (2004) 55
Checcucci, B., see Codino, A. 211 (2003) 107
Chemam, R., A. Bouabellou, J.J. Grob, D. Muller and G. Schmerber, ZnTe nanoparticles formed by ion implantation in a SiO_2 layer on silicon 216 (2004) 116
Chemseddine, A., see Fink, D. 218 (2004) 355
Chen, A.A., see Greife, U. 217 (2004) 1
Chen, B.S., see Chen, X.W. 211 (2003) 512
Chen, B.S., see Bai, X.D. 217 (2004) 293
Chen, F., see Fu, G. 211 (2003) 346
Chen, F., see Wang, F.-X. 215 (2004) 389
Chen, H., X.M. Wang, L. Shao, J.R. Liu, A.C. Yen and W.-k. Chu, Cross-sections of $^{10}B(\alpha, p)^{13}C$ nuclear reaction for boron analysis 211 (2003) 1
Chen, H., see Wang, X. 215 (2004) 278
Chen, H., see Shao, L. 219–220 (2004) 938
Chen, J., see Shao, L. 219–220 (2004) 303
Chen, K.M., see Hsu, J.Y. 219–220 (2004) 251
Chen, K.M., see Yu, Y.C. 219–220 (2004) 284
Chen, X.W., see Peng, D.Q. 211 (2003) 55
Chen, X.W., X.D. Bai, P.Y. Deng, D.Q. Peng and B.S. Chen, Electrochemical behavior of niobium-implanted zircaloy-4 induced by heat treatment 211 (2003) 512
Chen, X.W., see Peng, D.Q. 215 (2004) 394
Chen, X.W., see Bai, X.D. 217 (2004) 293
Chen, Y., see Savoini, B. 218 (2004) 148
Chen, Y., see Tardio, M. 218 (2004) 164
Chen, Y.H., see Lee, C.S. 219–220 (2004) 221
Chen, Y.H., see Lee, C.S. 219–220 (2004) 323
Cheng, H.S., Z.Q. Zhang, B. Zhang and F.J. Yang, The non-destructive identification of early Chinese porcelain by PIXE 219–220 (2004) 16
Cheng, H.S., see Zhang, B. 219–220 (2004) 26
Cheng, H.S., Z.Q. Zhang, B. Zhang and F.J. Yang, Non-destructive analysis and identification of jade by PIXE 219–220 (2004) 30
Chenot, M.-A., see Barradas, N.P. 219–220 (2004) 928

Cherenda, N.N., V.V. Uglov, G.V. Litvinovich and A.L. Danilyuk, The effect of Ti ions implantation on the structure of anodic alumina films ... 211 (2003) 219
Cherenda, N.N., V.V. Uglov, G.V. Litvinovich and A.L. Danilyuk, Ion-beam induced modification of pores array in anodic alumina ... 216 (2004) 340
Cherkaoui, R.M., see El Khoukhi, T. ... 213 (2004) 770
Cherkashin, N., see Cristiano, F. ... 216 (2004) 46
Cherkashin, N., see Colombeau, B. ... 216 (2004) 90
Cherkashin, N., see Calvo, P. ... 216 (2004) 173
Cherkashin, N., see Normand, P. ... 216 (2004) 228
Chettle, D., see Nie, H. ... 213 (2004) 579
Chettle, D.R., see O'Meara, J.M. ... 213 (2004) 560
Chettle, D.R., see Popovic, M. ... 213 (2004) 599
Chettle, D.R., see Fleming, D.E.B. ... 217 (2004) 471
Cheung, A., see Ridgway, M.C. ... 218 (2004) 421
Chi, Z., see Valdez, J.A. ... 218 (2004) 103
Chiari, M., P. Del Carmine, F. Lucarelli, G. Marcazzan, S. Nava, L. Paperetti, P. Prati, G. Valli, R. Vecchi and A. Zucchiatti, Atmospheric aerosol characterisation by Ion Beam Analysis techniques: recent improvements at the Van de Graaff laboratory in Florence ... 219–220 (2004) 166
Chiavassa, E., see Arnaldi, R. ... 213 (2004) 284
Chibisov, E.V., see Ryabchikov, A.I. ... 213 (2004) 364
Chicoine, M., see Schiettekatte, F. ... 219–220 (2004) 125
Chicoine, M., see Schiettekatte, F. ... 219–220 (2004) 430
Chicoine, M., see Wei, P. ... 219–220 (2004) 671
Chiminello, F., D. Ceccato and P. Mittner, Micro-PIXE study of tropospheric aerosols in an Antarctic coastal environment ... 219–220 (2004) 171
Chini, T.K., D.P. Datta, B. Satpati, M. Tanemura and F. Okuyama, Redistribution of Er implanted into Si(1 0 0): Correlation with implantation induced damage ... 212 (2003) 477
Chipara, M., J. Reyes Romero, M.D. Chipara, L. Georgescu, L. Constantinescu, C. Secu and C. Morosanu, ESR studies on laser beam irradiated polyethyleneterephtalate ... 211 (2003) 117
Chipara, M.D., see Chipara, M. ... 211 (2003) 117
Chirco, P., see Zanarini, M. ... 213 (2004) 315
Cho, K., see Kim, H. ... 217 (2004) 429
Choi, B.-S., see Ramana, C.V. ... 212 (2003) 465
Choi, H.D., see Byun, S.H. ... 213 (2004) 535
Chouak, A., see El Khoukhi, T. ... 213 (2004) 770
Choudhary, R.J., see Kulkarni, V.N. ... 219–220 (2004) 902
Chouffani, K., I. Endo and H. Überall, Erratum to "Axial coherent bremsstrahlung of type A in a diamond crystal" [Nucl. Instr. and Meth. B 201 (2003) 16–24] ... 211 (2003) 281
Chowdhury, D.P., R. Guin, S.K. Saha and M. Sudersanan, Excitation functions of heavy ion induced nuclear reactions between ^{16}O ion beam and natural copper: Measurements, analysis and its applicability in TLA study ... 211 (2003) 288
Chromik, S., see Andrade, E. ... 219–220 (2004) 768
Chu, W.-k., see Chen, H. ... 211 (2003) 1
Chu, W.-K., see Wang, X. ... 215 (2004) 278
Chu, W.-K., see Shao, L. ... 219–220 (2004) 303
Chu, W.-K., see Shao, L. ... 219–220 (2004) 938
Cimalla, V., see Kosiba, R. ... 215 (2004) 486
Cinausero, M., see Fioretto, E. ... 213 (2004) 457
Cinausero, M., see Lunardon, M. ... 213 (2004) 544
Cinti, M.N., see Pani, R. ... 213 (2004) 197
Cinti, M.N., see Bonifazzi, C. ... 213 (2004) 231
Ciocca, M., see Casali, F. ... 213 (2004) 616
Cirioni, L., see Cobut, V. ... 215 (2004) 57
Claeys, C., see Nakabayashi, M. ... 219–220 (2004) 676
Claeys, C., see Ohyama, H. ... 219–220 (2004) 718
Claudio, G., see Boudreault, G. ... 217 (2004) 177
Claverie, A., Editorial ... 216 (2004) vii

Claverie, A., see Cristiano, F. . . . 216 (2004) 46
Claverie, A., see Colombeau, B. . . . 216 (2004) 90
Claverie, A., see Calvo, P. . . . 216 (2004) 173
Claverie, A., see Garrido, B. . . . 216 (2004) 213
Claverie, A., see Normand, P. . . . 216 (2004) 228
Claverie, A., see Lamrani, Y. . . . 216 (2004) 281
Clegg, R.E., see Wielunski, L.S. . . . 215 (2004) 262
Clemente, E., K. Sera, S. Futatsugawa and S. Murao, PIXE analysis of hair samples from artisanal mining communities in the Acupan region, Benguet, Philippines . . . 219–220 (2004) 161
Climent-Font, A., see Pascual-Izarra, C. . . . 219–220 (2004) 268
Climent-Font, A., see Enguita, O. . . . 219–220 (2004) 384
Climent-Font, A., F. Pászti, G. García, M.T. Fernández-Jiménez and F. Agulló, First measurements with the Madrid 5 MV tandem accelerator . . . 219–220 (2004) 400
Cobut, V., L. Cirioni and J.P. Patau, Accurate transport simulation of electron tracks in the energy range 1 keV–4 MeV . . . 215 (2004) 57
Coddens, G., A. Dunlop, H. Dammak, R. Chatterjee, Y. Calvayrac, M. Quiquandon, E. Elkaïm, M. Gailhanou and S. Rouzière, Study of the effect of high electronic excitations in quasicrystals irradiated with heavy ions . . . 211 (2003) 122
Codegoni, D., A. Colder, N. Croitoru, P. D'Angelo, M. DeMarchi, G. Fallica, A. Favalli, S. Leonardi, M. Levalois, P. Marie, R. Modica, P.G. Rancoita and A. Seidman, Investigation of irradiated monolithic transistors for space applications . . . 217 (2004) 65
Codino, A., F. Plouin, C. Bellachioma, M.T. Brunetti, B. Checcucci, C. Federico, M. Lanfranchi, P. Maffei, M. Miozza and H. Vocca, Comparison between computed and measured response of silicon strip detectors exposed to carbon, calcium and ruthenium ion beams . . . 211 (2003) 107
Coelho, A.V.P., H. Boudinov, T. v. Lippen, H.H. Tan and C. Jagadish, Implant isolation of AlGaAs multilayer DBR . . . 218 (2004) 381
Cohen, D.D., E. Stelcer, O. Hawas and D. Garton, IBA methods for characterisation of fine particulate atmospheric pollution: a local, regional and global research problem . . . 219–220 (2004) 145
Colangelo, P., see Terlizzi, R. . . . 213 (2004) 210
Colder, A., see Codegoni, D. . . . 217 (2004) 65
Colla, A., see Arnaldi, R. . . . 213 (2004) 284
Collar, J.I., see Oliveira, C. . . . 213 (2004) 172
Collart, E.H.J., see Werner, M. . . . 216 (2004) 67
Colle, R., D. Embriaco, M. Massini, S. Simonucci and S. Taioli, Ab initio calculation of the C1s photoelectron spectrum of C_2H_2 . . . 213 (2004) 65
Collette, J.-P., see Gailly, P. . . . 216 (2004) 206
Colombeau, B., see Cristiano, F. . . . 216 (2004) 46
Colombeau, B., N.E.B. Cowern, F. Cristiano, P. Calvo, Y. Lamrani, N. Cherkashin, E. Lampin and A. Claverie, Depth dependence of defect evolution and TED during annealing . . . 216 (2004) 90
Colombeau, B., see Lampin, E. . . . 216 (2004) 95
Colombeau, B., see Calvo, P. . . . 216 (2004) 173
Colombeau, B., see Lamrani, Y. . . . 216 (2004) 281
Colombi, C., see Baccaro, S. . . . 213 (2004) 666
Colonna, N., see Milazzo, P.M. . . . 213 (2004) 36
Colonna, N. and The n_TOF Collaboration, Neutron cross-section measurements at the n_TOF facility at CERN . . . 213 (2004) 49
Colonna, N., see Terlizzi, R. . . . 213 (2004) 210
Comins, J.D., see Amolo, G.O. . . . 218 (2004) 244
Comins, J.D., see Davidson, A.T. . . . 218 (2004) 249
Comrie, C.M., see Meyer, K.A. . . . 219–220 (2004) 751
Conde, C.A.N., see Fernandes, L.M.P. . . . 213 (2004) 267
Connell, S.H., see Rebuli, D.B. . . . 219–220 (2004) 299
Constantinescu, L., see Chipara, M. . . . 211 (2003) 117
Cornacchia, S., see Bettuzzi, M. . . . 213 (2004) 227
Corrales, L.R., Computational methods to study radiation effects in oxide materials . . . 218 (2004) 95
Correia, J.G., see Dietrich, M. . . . 216 (2004) 110
Cortés, M.E., see Ramirez, F.P. . . . 213 (2004) 144

Cortese, P., see Arnaldi, R. 213 (2004) 284
Cortona, P., see Pasquali, L. 212 (2003) 274
Cosentino, L. and P. Finocchiaro, Ion beam imaging at very low energy and intensity 211 (2003) 443
Costa, L., V. Brunella, M.C. Paganini, S. Baccaro and A. Cecilia, Radical formation induced by γ radiation in poly(vinyl chloride) powder 215 (2004) 471
Coste, Ph., L. Wartski, J. Aubert and C. Schwebel, A simple microwave component for the vacuum window protection in an ECR ion source for ion beam processing 217 (2004) 342
Couto dos Santos, M.A., see Amaral, J.B. 218 (2004) 232
Cowern, N.E.B., see Colombeau, B. 216 (2004) 90
Cowgill, D.F., see Hertz, K.L. 215 (2004) 143
Cox, L.J., see Forster, R.A. 213 (2004) 82
Craciun, L., E. Dragulescu, O. Muresan, A.T. Serban and P.M. Racolta, Contribution of Coulomb excitation techniques in quantitative analysis of materials 213 (2004) 515
Craievich, A.F., see Dahmouche, K. 211 (2003) 160
Craig, W.W., see Hailey, C.J. 214 (2004) 122
Cranney, M., see El-Said, A.S. 218 (2004) 492
Creagh, D.C. and V. Otieno-Alego, The use of radiation for the study of material of cultural heritage significance 213 (2004) 670
Creely, P., see Miller, R.B. 211 (2003) 562
Cristiani, G., see Alves, E. 219–220 (2004) 933
Cristiano, F., N. Cherkashin, X. Hebras, P. Calvo, Y. Lamrani, E. Scheid, B. de Mauduit, B. Colombeau, W. Lerch, S. Paul and A. Claverie, Ion beam induced defects in crystalline silicon 216 (2004) 46
Cristiano, F., see Colombeau, B. 216 (2004) 90
Cristiano, F., see Lampin, E. 216 (2004) 95
Cristiano, F., see Calvo, P. 216 (2004) 173
Cristiano, F., see Lamrani, Y. 216 (2004) 281
Croitoru, N., see Codegoni, D. 217 (2004) 65
Cruz, J., see Mateus, R. 219–220 (2004) 307
Csikai, J., see Király, B. 213 (2004) 452
Curry, M., see Wang, Y.Q. 219–220 (2004) 798
Cverna, F.C., see Morgan, G.L. 211 (2003) 297
Cybulska, E.W., see Ribas, R.V. 211 (2003) 453

Da Costa, Z.M., W.M. Pontuschka and L.L. Campos, Study of the ESR signal of gamma irradiated hydroxyapatite for dose assessment 218 (2004) 283
Da Re, A., see Tartari, A. 213 (2004) 206
Da Re, A., see Tartari, A. 213 (2004) 607
da Rocha, M.S.F., A.R. Blak, W.M. Pontuschka, R.P.M. Carvalhaes and P.V.A. Bergo, Depolarization currents and low-frequency measurements in X-ray irradiated barium aluminoborate glasses 218 (2004) 183
Da Ros, M., see Marseguerra, M. 213 (2004) 289
da Silva, D.L., see Mörschbächer, M.J. 219–220 (2004) 703
da Silva, D.L., M.J. Mörschbächer, P.F.P. Fichtner, E. Oliviero and M. Behar, Formation of bubbles and extended defects in He implanted (1 0 0) Si at elevated temperatures 219–220 (2004) 713
da Silva, R.C., see Pinto, J.V. 218 (2004) 128
da Silva, R.C., see Marques, C. 218 (2004) 139
da Silva, R.C., see Savoini, B. 218 (2004) 148
da Silva, R.C., see Tardío, M. 218 (2004) 164
da Silva, R.S., see Macedo, Z.S. 218 (2004) 153
D'Addio, L., see Pani, R. 213 (2004) 197
Dahmouche, K., M.C. Goncalves, C.V. Santilli, V. de Zea Bermudez, L.D. Carlos and A.F. Craievich, Erratum to: "Structure of luminescent mono and di-urethanesil nanocomposites doped with Eu^{3+} ions" [Nucl. Instr. and Meth. B 199 (2003) 117–122] 211 (2003) 160
Dai, Y., see Li, R. 211 (2003) 91
Dal Maschio, M., see Bisello, D. 219–220 (2004) 1000
Dammak, H., see Coddens, G. 211 (2003) 122
D'Angelo, P., see Codegoni, D. 217 (2004) 65

Danilyuk, A.L., see Cherenda, N.N. . . . 211 (2003) 219
Danilyuk, A.L., see Cherenda, N.N. . . . 216 (2004) 340
Daolio, S., see Tolstogouzov, A. . . . 217 (2004) 246
Daquino, G.G., see Moss, R.L. . . . 213 (2004) 633
Daquino, G.G., see Cerullo, N. . . . 213 (2004) 637
Daquino, G.G., see Cerullo, N. . . . 213 (2004) 641
Darwish, T., see Nsouli, B. . . . 219–220 (2004) 181
Das, D., see Nayak, P.K. . . . 215 (2004) 252
Das, S.K., see Mohanty, A.K. . . . 211 (2003) 145
Datta, D. and S.R. Bhattacharyya, Role of interface modifications in ion-sputtering mechanism of gold thin films . . . 212 (2003) 201
Datta, D. and S.R. Bhattacharyya, Study of dose effects on Au–Ni bilayers mixing by 300 keV Kr ions . . . 212 (2003) 216
Datta, D.P., see Chini, T.K. . . . 212 (2003) 477
Datzmann, G., see Reichart, P. . . . 219–220 (2004) 980
Daudin, L., see Gallien, J.-P. . . . 217 (2004) 113
Daum, M., see van der Meer, K. . . . 217 (2004) 202
D'Auria, J.M., see Greife, U. . . . 217 (2004) 1
David, B., see Harding, G. . . . 213 (2004) 189
Davidson, A.T., see Amolo, G.O. . . . 218 (2004) 244
Davidson, A.T., A.G. Kozakiewicz, T.E. Derry, J.D. Comins and M. Suszynska, Effects of various dopants on NaCl and KCl glow curves . . . 218 (2004) 249
Davidson, J.R., see Gehrke, R.J. . . . 213 (2004) 10
Dawidowski, J., see Blostein, J.J. . . . 217 (2004) 333
De, U., see Kumar, R. . . . 212 (2003) 221
De, U., K.C. Verma, P. Karmakar, A. Sarkar, S. Dey and S. Verma, Resonance scattering and RBS from non-stoichiometric oxides . . . 212 (2003) 505
de Almeida, G.L., see Silvani, M.I. . . . 213 (2004) 294
de Barros, L., see Araújo, M.F. . . . 213 (2004) 741
de Château-Thierry, A., see Beck, L. . . . 219–220 (2004) 394
De Chiara, P., see Tartari, A. . . . 213 (2004) 607
De Hosson, J.Th.M., see van Huis, M.A. . . . 216 (2004) 121
De Hosson, J.Th.M., see van Huis, M.A. . . . 216 (2004) 149
De Hosson, J.Th.M., see van Huis, M.A. . . . 216 (2004) 390
de Hosson, J.Th.M., see Escobar Galindo, R. . . . 217 (2004) 262
De Hosson, J.Th.M., see van Huis, M.A. . . . 218 (2004) 410
de Jesus, E.F.O., see Silvani, M.I. . . . 213 (2004) 294
De Julian, C., see Mattei, G. . . . 218 (2004) 433
de Julián Fernández, C., M.A. Tagliente, G. Mattei, C. Sada, V. Bello, C. Maurizio, G. Battaglin, C. Sangregorio, D. Gatteschi, L. Tapfer and P. Mazzoldi, Structural and magnetic properties of Fe–Al silica composites prepared by sequential ion implantation . . . 216 (2004) 245
de la Torre, J., see Garrido, B. . . . 216 (2004) 213
de Lima, J.F., see Souza, D.N. . . . 218 (2004) 123
de Magalhães, C.M.S., Z.S. Macedo, M.E.G. Valerio, A.C. Hernandes and D.N. Souza, Preparation of composites of topaz embedded in glass matrix for applications in solid state thermoluminescence dosimetry . . . 218 (2004) 277
De Marchi, G., see Mattei, G. . . . 218 (2004) 433
De Marco, N., see Arnaldi, R. . . . 213 (2004) 284
de Mattos, A., see Kaschny, J.R. . . . 218 (2004) 308
de Mauduit, B., see Cristiano, F. . . . 216 (2004) 46
de Mauduit, B., see Calvo, P. . . . 216 (2004) 173
de Meijer, R.J., see Lindsay, R. . . . 213 (2004) 775
de Melo, A.Á., see Araújo, M.F. . . . 213 (2004) 741
de Oliveira, E.C., see Deppman, A. . . . 211 (2003) 15
de Pina, S.R., see Deppman, A. . . . 211 (2003) 15
De Poli, M., see Balzan, S. . . . 219–220 (2004) 72
De Salvador, D., see Mirabella, S. . . . 216 (2004) 80

De Salvador, D., E. Napolitani, S. Mirabella, G. Impellizzeri, F. Priolo, A. Terrasi, G. Bisognin, M. Berti, A.V. Drigo and A. Carnera, Diffusion of ion beam injected self-interstitial defects in silicon layers grown by molecular beam epitaxy ... 216 (2004) 286
de Souza, S.S., see Carvalhaes, R.P.M. ... 218 (2004) 158
de Villiers, D., see Lindsay, R. ... 213 (2004) 775
De Vincentis, G., see Pani, R. ... 213 (2004) 197
de Zea Bermudez, V., see Dahmouche, K. ... 211 (2003) 160
Deatcher, C.J., see Barradas, N.P. ... 217 (2004) 479
Deicher, M., see Dietrich, M. ... 216 (2004) 110
Dekelver, S., see van der Meer, K. ... 217 (2004) 202
Del Carmine, P., see Chiari, M. ... 219–220 (2004) 166
del Prado, Á., see Bohne, W. ... 217 (2004) 237
Delcorte, A., see Arezki, B. ... 212 (2003) 369
Delcorte, A., B. Arezki and B.J. Garrison, Matrix and substrate effects on the sputtering of a 2 kDa molecule: Insights from molecular dynamics ... 212 (2003) 414
D'Elia, M., see Calcagnile, L. ... 215 (2004) 561
D'Elia, M., see Quarta, G. ... 217 (2004) 644
Della Mea, G., see Vomiero, A. ... 211 (2003) 401
Dellacasa, G., see Arnaldi, R. ... 213 (2004) 284
Deltschew, R., see Spemann, D. ... 219–220 (2004) 693
Delvigne, T., see Manderlier, N. ... 213 (2004) 523
DeMarchi, M., see Codegoni, D. ... 217 (2004) 65
DeMarco, J.J., see Maggiore, C. ... 214 (2004) 181
Demaree, J., see Pallone, A. ... 219–220 (2004) 755
Demchenko, E.L., see Serebryakov, A.S. ... 213 (2004) 699
Deng, P.Y., see Peng, D.Q. ... 211 (2003) 55
Deng, P.Y., see Chen, X.W. ... 211 (2003) 512
Denis, D., see Vittiglio, G. ... 213 (2004) 693
Denker, A. and J. Opitz-Coutureau, Paintings – high-energy protons detect pigments and paint-layers ... 213 (2004) 677
Denker, A., J. Opitz-Coutureau, J.L. Campbell, J.A. Maxwell and T. Hopman, High-energy PIXE: quantitative analysis ... 219–220 (2004) 130
Dennert, H., see Bassalleck, B. ... 214 (2004) 167
Deppman, A., O.A.P. Tavares, S.B. Duarte, J.D.T. Arruda-Neto, M. Gonçalves, V.P. Likhachev, J. Mesa,E.C. de Oliveira, S.R. de Pina and O. Rodriguez, A Monte Carlo method for nuclear evaporation and fission at intermediate energies ... 211 (2003) 15
D'Erasmo, G., see Lunardon, M. ... 213 (2004) 544
Derry, T.E., see Amolo, G.O. ... 218 (2004) 244
Derry, T.E., see Davidson, A.T. ... 218 (2004) 249
Desgranges, L. and B. Pasquet, Measurement of xenon in uranium dioxide (UO_2) with SIMS ... 215 (2004) 545
Desnica, U.V., M. Buljan, I.D. Desnica-Frankovic, P. Dubcek, S. Bernstorff, M. Ivanda and H. Zorc, Direct ion beam synthesis of II–VI nanocrystals ... 216 (2004) 407
Desnica-Frankovic, I.D., Comparative analysis of the implantation-induced structural modifications in GaAs and Ge ... 216 (2004) 318
Desnica-Frankovic, I.D., see Desnica, U.V. ... 216 (2004) 407
Dev, B.N., Editorial ... 212 (2003) vii
Dev, B.N., see Satpati, B. ... 212 (2003) 157
Dev, B.N., see Som, T. ... 212 (2003) 206
Dev, B.N., see Goswami, D.K. ... 212 (2003) 253
Dev, B.N., see Rundhe, M. ... 212 (2003) 314
Dev, B.N., see Satpati, B. ... 212 (2003) 332
Dev, B.N., see Nageswara Rao, S.V.S. ... 212 (2003) 442
Dev, B.N., see Bera, S. ... 212 (2003) 530
Devanathan, R., see Weber, W.J. ... 216 (2004) 25
Devanathan, R., see Weber, W.J. ... 218 (2004) 68
Devanathan, R., see Zhang, Y. ... 218 (2004) 89
Dew, S.K., see Stepanova, M. ... 215 (2004) 357

Dey, S. and S. Varma, Damage and substitution anomalies for MeV Sb implantation in Si(1 0 0) after high-energy irradiation ... 212 (2003) 146
Dey, S. and S. Varma, Substitution and diffusion behaviour of MeV implanted Sb in Si(1 0 0) after carbon irradiation ... 212 (2003) 228
Dey, S., see De, U. ... 212 (2003) 505
Dhar, S., see Gąsiorek, S. ... 216 (2004) 62
Dhar, S., see Sahoo, P.K. ... 216 (2004) 324
Dharamvir, K., see Bajwa, N. ... 212 (2003) 233
Dheenathayalu, M., see Ponnusamy, V. ... 217 (2004) 611
Dias, J.F., see Teixeira, E.C. ... 215 (2004) 203
Dias, J.F., see Araujo, L.L. ... 219–220 (2004) 246
Dias, K.R.H.C., see Anjos, M.J. ... 213 (2004) 569
Dias da Cunha, K., C.V. Barros Leite and Z. Zays, Exposure to mineral sands dust particles ... 217 (2004) 649
Díaz, F., see Kling, A. ... 218 (2004) 271
Di Cocco, G., see Labanti, C. ... 213 (2004) 260
Di Stefano, G., see Irrera, A. ... 216 (2004) 222
Diéguez, E., see Barradas, N.P. ... 219–220 (2004) 928
Dietrich, K., see Vittiglio, G. ... 213 (2004) 693
Dietrich, M., Ch. Buchal, J.G. Correia, M. Deicher, M. Schmid, M. Uhrmacher, U. Vetter and U. Wahl, Annealing of $BaTiO_3$ thin films after heavy ion implantation ... 216 (2004) 110
DiMichiel, M., see Nazmov, V. ... 217 (2004) 409
Dimitrakis, P., see Normand, P. ... 216 (2004) 228
Dimroth, F., see Barradas, N.P. ... 219–220 (2004) 928
Ding, F.-R., P. Shi, W.-H. He, Y. Wang, R. Nie, D.-Y. Shen and H.-J. Ma, Secondary ion emissions from carbon nanotubes induced by MeV Si and Si_2 clusters ... 217 (2004) 572
Ding, S.J., see Biswas, A. ... 217 (2004) 39
Ditrói, F., see Tárkányi, F. ... 211 (2003) 22
Ditrói, F., see Tárkányi, F. ... 211 (2003) 312
Ditrói, F., see Tárkányi, F. ... 211 (2003) 319
Ditrói, F., see Tárkányi, F. ... 217 (2004) 373
Ditrói, F., see Tárkányi, F. ... 217 (2004) 531
Dityuk, A.I., see Tárkányi, F. ... 217 (2004) 373
Diwan, P.K. and S. Kumar, Electronic stopping power of elemental and complex targets for heavy ions from $_3$Li to $_{29}$Cu at low energies: An extended approach ... 215 (2004) 27
Djekič, S., see Quint, W. ... 214 (2004) 207
Djourelov, N., see He, C. ... 211 (2003) 571
Djourelov, N., C. He, T. Suzuki, Y. Ito, K. Velitchkova, E. Hamada and K. Kondo, Carbon-implanted ultra-high molecular-weight polyethylene studied by a pulsed slow-positron beam ... 215 (2004) 83
Dmitrenko, V., see Ottini-Hustache, S. ... 213 (2004) 279
do Carmo Freitas, M., A.M.G. Pacheco and M.G. Ventura, Anthropogenic sources of $PM_{2.5}$'s arsenic, lead, mercury and nickel in northern metropolitan Lisbon, Portugal ... 219–220 (2004) 153
Döbeli, M., see Maden, C. ... 219–220 (2004) 176
Döbeli, M., C. Kottler, M. Stocker, S. Weinmann, H.-A. Synal, M. Grajcar and M. Suter, Gas ionization chambers with silicon nitride windows for the detection and identification of low energy ions ... 219–220 (2004) 415
Dobos, E., see Sziki, G. ... 219–220 (2004) 420
Dobos, E., see Sziki, G.Á. ... 219–220 (2004) 508
Dobrowolska, M., see Yu, K.M. ... 219–220 (2004) 636
Dobson, N., see Wang, Y.Q. ... 219–220 (2004) 798
Dóczi, R., see Király, B. ... 213 (2004) 452
Dogra, A., M. Singh, V.V. Siva Kumar, N. Kumar and R. Kumar, Irradiation effect on dielectric properties of $NiMn_{0.05}Ti_x(Zn, Mg)_xFe_{1.95-2x}O_4$ ferrite thin films ... 212 (2003) 184
Dogra, A., M. Singh, N. Kumar, P. Sen and R. Kumar, Mössbauer studies of 190 MeV Ag ion irradiated $NiMn_{0.05}Ti_xMg_xFe_{1.95-2x}O_4$ ferrite ... 212 (2003) 190
Dollinger, G., A. Bergmaier, L. Goergens, P. Neumaier, W. Vandervorst and S. Jakschik, High resolution elastic recoil detection ... 219–220 (2004) 333
Dollinger, G., see Reichart, P. ... 219–220 (2004) 980
Domingo, C., see Milazzo, P.M. ... 213 (2004) 36

Dominguez V, J.R., see Suarez, S.M. ... 213 (2004) 784
Donati, A., see Auricchio, N. ... 213 (2004) 272
Donnelly, S.E., see Birtcher, R.C. ... 215 (2004) 69
Donnelly, S.E., see Zhang, C.H. ... 218 (2004) 53
D'Orléans, C., see Cerruti, C. ... 216 (2004) 329
D'Orléans, C., J.P. Stoquert, C. Estournès, J.J. Grob, D. Muller, J.L. Guille, M. Richard-Plouet, C. Cerruti and F. Haas, Elongated Co nanoparticles induced by swift heavy ion irradiations ... 216 (2004) 372
dos Santos, J.M.F., see Fernandes, L.M.P. ... 213 (2004) 267
Doser, M., see Fujiwara, M.C. ... 214 (2004) 11
Doser, M., see Bonomi, G. ... 214 (2004) 17
Doser, M., see Maggiore, C. ... 214 (2004) 181
Doyle, B.L., Dedication ... 219–220 (2004) ix
Doyle, B.L., see Browning, J.F. ... 219–220 (2004) 317
Doyle, B.L., see Rossi, P. ... 219–220 (2004) 327
Doyle, B.L., see Knapp, J.A. ... 219–220 (2004) 440
Doyle, B.L., see Banks, J.C. ... 219–220 (2004) 444
Doyle, B.L., see Arstila, K. ... 219–220 (2004) 1058
Doyle, J.M., see Schleier-Smith, M.H. ... 215 (2004) 531
Doyle, J.M., see Dzhosyuk, S.N. ... 217 (2004) 457
Dragnev, T., see Brunetti, G. ... 213 (2004) 414
Dragulescu, E., see Craciun, L. ... 213 (2004) 515
Drakopoulos, M., see Uzonyi, I. ... 219–220 (2004) 555
Dran, J.-C., J. Salomon, T. Calligaro and P. Walter, Ion beam analysis of art works: 14 years of use in the Louvre ... 219–220 (2004) 7
Draxler, M., S.N., Markin, R. Beikler, E. Taglauer, F. Kastner, M. Bergsmann and P. Bauer, Depth characterization of nm-layers by low energy ion scattering ... 219–220 (2004) 578
Drigo, A.V., see Mirabella, S. ... 216 (2004) 80
Drigo, A.V., see De Salvador, D. ... 216 (2004) 286
Drozdov, V.A., D.O. Eremenko, O.V. Fotina, G. Giardina, F. Malaguti, S.Yu. Platonov, A. Uguzzoni and O.A. Yuminov, Decay time characteristics of the U-like excited nuclei ... 212 (2003) 501
Drozdov, V.A., see Yuminov, O.A. ... 212 (2003) 516
Drozdowicz, K., B. Gabańska, A. Igielski, E. Krynicka and U. Woźnicka, Influence of granulation of the sample on the thermal neutron Σ_s measurement ... 213 (2004) 42
Du, X.S., see van Huis, M.A. ... 216 (2004) 390
Du, Y.-h., see Zhao, Y. ... 211 (2003) 211
Duan, J., see Sun, Y. ... 212 (2003) 211
Duan, J.L., see Wang, Z.G. ... 218 (2004) 472
Duarte, S.B., see Deppman, A. ... 211 (2003) 15
Dubček, P., B. Pivac, O. Milat, S. Bernstorff and I. Zulim, Study of structural changes in krypton implanted silicon ... 215 (2004) 122
Dubcek, P., see Desnica, U.V. ... 216 (2004) 407
Dubey, S.K., see Kamalapurkar, B.A. ... 211 (2003) 383
Dubey, S.K., see Chauhan, A.R. ... 212 (2003) 451
Dubey, S.K., see Bhole, K.G. ... 212 (2003) 525
DuBois, D., see Miller, R.B. ... 211 (2003) 562
Dubois, M., see Lehérissier, P. ... 211 (2003) 274
Dubus, A., see Pauly, N. ... 212 (2003) 386
Dubus, A., see Pauly, N. ... 212 (2003) 391
Duck, B.C., see Weijers, T.D.M. ... 215 (2004) 35
Duffy, M., see Braunstein, G. ... 219–220 (2004) 358
Duggan, J.L., see Nigam, M. ... 219–220 (2004) 273
Dulloo, A.R., see Ruddy, F.H. ... 213 (2004) 351
Dulloo, A.R., F.H. Ruddy, J.G. Seidel, S. Lee, B. Petrović and M.E. McIlwain, Neutron fluence rate measurements in a PGNAA 208-liter drum assay system using silicon carbide detectors ... 213 (2004) 400
Dunlop, A., see Coddens, G. ... 211 (2003) 122
Dunn, W., see Fernández, J.E. ... 213 (2004) vii
Dunn, W.L., see Yacout, A.M. ... 213 (2004) 149

Dunn, W.L., A radio-optic method for measuring relative motion 213 (2004) 481
Dunnam, F.E., see Luta, A.M. 215 (2004) 223
Dupuis, M., see Lehérissier, P. 211 (2003) 274
Dush-Nicolini, A., see Ihaddadene-Le Coq, L. 216 (2004) 303
Dusi, W., see Auricchio, N. 213 (2004) 272
Dusi, W., see Zanarini, M. 213 (2004) 315
Dutz, H., see Bassalleck, B. 214 (2004) 167
Duvanov, S., see Guenther, M. 216 (2004) 143
Dvořánková, B., see Švorčík, V. 215 (2004) 366
Dvořánková, B., see Švorčík, V. 217 (2004) 307
Dymnikov, A.D. and G.A. Glass, Magnetic sextuplet as a zoom lens for the nuclear nanoprobe at the Louisiana Accelerator Center 219–220 (2004) 994
Dzhosyuk, S.N., see Schleier-Smith, M.H. 215 (2004) 531
Dzhosyuk, S.N., C.E.H. Mattoni, D.N. McKinsey, A.K. Thompson, L. Yang, J.M. Doyle and P.R. Huffman, Neutron-induced luminescence and activation in neutron shielding and scintillation detection materials at cryogenic temperatures 217 (2004) 457
Dzhurakhalov, A.A., Sputtering of binary crystal surface under grazing ion bombardment 216 (2004) 202

Eades, J., see Sakaguchi, J. 214 (2004) 89
Eades, J., see Juhász, B. 214 (2004) 98
Écija, D., see Grachev, S.Y. 219–220 (2004) 593
Ecke, G., see Kosiba, R. 215 (2004) 486
Eckert, C., see En Naciri, A. 216 (2004) 167
Egharevba, G.O., see Balogun, F.A. 213 (2004) 333
Eichhorn, F., see Nageswara Rao, S.V.S. 212 (2003) 442
Eichhorn, F., see Turos, A. 219–220 (2004) 618
Eichhorn, K.-J., see Guenther, M. 216 (2004) 143
Eijt, S.W.H., see van Huis, M.A. 216 (2004) 121
Eijt, S.W.H., see Schut, H. 216 (2004) 251
Eijt, S.W.H., see van Huis, M.A. 218 (2004) 410
Eilerts, S., see Bassalleck, B. 214 (2004) 167
Eisen, F.H. and M.-A. Nicolet, Reproducing the backscattering spectrum of an amorphous target from a single crystal 211 (2003) 408
El Bouanani, M., see Nigam, M. 219–220 (2004) 273
El Khoukhi, T., R.M. Cherkaoui, A. Gaudry, S. Ayrault, A. Senhou, A. Chouak, Z. Moutia and E. Chakir, Air pollution biomonitoring survey in Morocco using k_0-INAA 213 (2004) 770
Eleruja, M.A., see Balogun, F.A. 213 (2004) 333
Elfman, M., see Wegdén, M. 219–220 (2004) 67
Elfman, M., see Shariff, A. 219–220 (2004) 110
Elfman, M., see Auzelyte, V. 219–220 (2004) 485
Elfman, M., see Shariff, A. 219–220 (2004) 494
Elfman, M., see Wegdén, M. 219–220 (2004) 550
Elfman, M., see Kristiansson, P. 219–220 (2004) 561
Elfman, M., see Pallon, J. 219–220 (2004) 988
Elkaïm, E., see Coddens, G. 211 (2003) 122
Elliman, R.G., see Ridgway, M.C. 218 (2004) 421
Elliman, R.G., H. Timmers and T.D.M. Weijers, Hydrogen detection with a gas ionization elastic recoil detector 219–220 (2004) 410
Elliman, R.G., see Weijers, T.D.M. 219–220 (2004) 680
El-Said, A.S., M. Cranney, N. Ishikawa, A. Iwase, R. Neumann, K. Schwartz, M. Toulemonde and C. Trautmann, Study of heavy-ion induced modifications in BaF_2 and LaF_3 single crystals 218 (2004) 492
El-Sayed, S.M., see Abdel-Hamid, H.M. 215 (2004) 479
El-Sersy, A.R., N.E. Khaled and S.A. Eman, Determination of CR-39 detection efficiency for fast neutron registration and the absolute neutron dosimetry 215 (2004) 443
Eman, S.A., see El-Sersy, A.R. 215 (2004) 443

Ember, P.P., T. Belgya, J.L. Weil and G.L. Molnár, A practical test of a γ–γ coincidence measurement setup for PGAA ... 213 (2004) 406
Embid, M., see Milazzo, P.M. ... 213 (2004) 36
Embriaco, D., see Colle, R. ... 213 (2004) 65
Emfietzoglou, D., M. Moscovitch and A. Pathak, Inelastic cross-sections of energetic protons in liquid water calculated by model dielectric functions and optical data ... 212 (2003) 101
En Naciri, A., M. Mansour, L. Johann, J.J. Grob and C. Eckert, Optical study of Si nanocrystals in Si/SiO_2 layers by spectroscopic ellipsometry ... 216 (2004) 167
Endo, I., see Chouffani, K. ... 211 (2003) 281
Endo, I., D. Iseki, T. Ohnishi, C. Moriyoshi and A.V. Shchagin, On the origin of mysterious X-ray spectral peaks observed at the REFER electron ring ... 217 (2004) 666
Ene, A., see Lupu, R. ... 217 (2004) 123
Enescu, S.E., see Thomé, L. ... 219–220 (2004) 99
Enescu, S.E., see Pantelica, D. ... 219–220 (2004) 373
Engel, S., see Greife, U. ... 217 (2004) 1
English, G.A., R.B. Firestone, D.L. Perry, J. Reijonen, B. Ludewigt, K.-N. Leung, G. Garabedian, G. Molnar and Z. Revay, The characterization of legacy radioactive materials by gamma spectroscopy and prompt gamma activation analysis (PGAA) ... 213 (2004) 410
English, G.A., see Perry, D.L. ... 213 (2004) 527
Engström, P., see Vittiglio, G. ... 213 (2004) 693
Enguita, O., T. Calderón, M.T. Fernández-Jiménez, P. Beneitez, A. Millan and G. García, Damage induced by proton irradiation in carbonate based natural painting pigments ... 219–220 (2004) 53
Enguita, O., M.T. Fernández-Jiménez, G. García, A. Climent-Font, T. Calderón and G.W. Grime, The new external microbeam facility at the 5 MV Tandetron accelerator laboratory in Madrid: beam characterisation and first results ... 219–220 (2004) 384
Ensinger, W., see Höchbauer, T. ... 216 (2004) 257
Eremenko, D.O., see Drozdov, V.A. ... 212 (2003) 501
Eremenko, D.O., see Yuminov, O.A. ... 212 (2003) 516
Eriksson, T., see Belochitskii, P. ... 214 (2004) 176
Erramli, H., M.A. Misdaq, G. Blondiaux, C.M. Vinante and D. Barbier, Study of the oxygen precipitation behaviour in silicon crystals using CPAA channelling ... 211 (2003) 155
Erzeneoğlu, S., see İçelli, O. ... 215 (2004) 9
Esaulov, V.A., see Guillemot, L. ... 212 (2003) 20
Esaulov, V.A., see Pasquali, L. ... 212 (2003) 274
Escobar Galindo, R., A. van Veen, J.H. Evans, H. Schut and J.Th.M. de Hosson, Protrusion formation and surface porosity development on thermally annealed helium implanted copper ... 217 (2004) 262
Escobar Galindo, R., see Evans, J.H. ... 217 (2004) 276
Espiau de Lamaestre, R., H. Bernas and F. Jomard, Effect of diffusion on ion beam-synthesized PbS nanocrystals ... 216 (2004) 402
Espinosa, A.A., see Miranda, J. ... 219–220 (2004) 157
Esposito, J., see Cerullo, N. ... 213 (2004) 637
Esposito, J., see Cerullo, N. ... 213 (2004) 641
Esquinazi, P., see Spemann, D. ... 219–220 (2004) 886
Estournès, C., see Cerruti, C. ... 216 (2004) 329
Estournès, C., see D'Orléans, C. ... 216 (2004) 372
Evans, J.H., see Escobar Galindo, R. ... 217 (2004) 262
Evans, J.H., R. Escobar Galindo and A. van Veen, A description of bubble growth and gas release during thermal annealing of helium implanted copper ... 217 (2004) 276
Evans, J.H., see Zhang, C.H. ... 218 (2004) 53
Evans, K.E., see Rivard, M.J. ... 213 (2004) 621
Ewing, R.C., see Lian, J. ... 218 (2004) 236
Ewing, R.C., see Sun, K. ... 218 (2004) 368
Eyrich, W., see Bassalleck, B. ... 214 (2004) 167

Fahrner, W.R., see Fink, D. ... 218 (2004) 355
Fainberg, Yu.A., see Novikov, N.V. ... 212 (2003) 96

Falcony, C., see Rivera, T. ... 213 (2004) 325
Falcony, C., see Andrade, E. ... 219–220 (2004) 768
Fallica, G., see Codegoni, D. ... 217 (2004) 65
Fallica, P.G., see Irrera, A. ... 216 (2004) 222
Fan, H., see Jiang, B. ... 215 (2004) 413
Fan, S., F. Yan, H. Zhang and Z. Zhao, A semiempirical approach to study the excitation functions for (n,p) reaction on the basis of evaporation and exciton models below 20 MeV ... 215 (2004) 16
Fan, Y., see Yang, B. ... 211 (2003) 577
Fanciulli, M., see Skarlatos, D. ... 216 (2004) 75
Fanciulli, M., see Normand, P. ... 216 (2004) 228
Farquharson, M.J., see Geraki, K. ... 213 (2004) 564
Fasasi, A.Y., see Siyanbola, W.O. ... 215 (2004) 240
Fasasi, M.K., see Balogun, F.A. ... 213 (2004) 333
Faupel, F., see Biswas, A. ... 217 (2004) 39
Faupel, F., see Fink, D. ... 218 (2004) 355
Favalli, A., see Codegoni, D. ... 217 (2004) 65
Fearick, R.W., From the Langevin model to the diffusion model of axial channeling ... 212 (2003) 77
Federico, C., see Codino, A. ... 211 (2003) 107
Fedi, M.E., see Massi, M. ... 219–220 (2004) 722
Fedorov, A.V., see van Huis, M.A. ... 216 (2004) 149
Feldman, L.C., G. Lüpke, N.H. Tolk, R. Lopez, R.F. Haglund Jr., T.E. Haynes and L.A. Boatner, Particle–solid interactions and 21st century materials science ... 212 (2003) 1
Fellows, D.F., see Simon, A. ... 219–220 (2004) 405
Felter, T.E., see Musket, R.G. ... 219–220 (2004) 379
Feng, J.Y., see He, Y. ... 211 (2003) 358
Feng, J.Y., see Xu, J.L. ... 217 (2004) 33
Feng, X.D., see Wang, Z.G. ... 211 (2003) 239
Fernandes, L.M.P., J.A.M. Lopes, J.M.F. dos Santos and C.A.N. Conde, X-ray spectrometry with Peltier-cooled large area avalanche photodiodes ... 213 (2004) 267
Fernández J.E., A. Tartari, R.P. Gardner and W. Dunn, Editorial ... 213 (2004) vii
Fernandez, J.E., V.G. Molinari, M. Bastiano and V. Scot, Diffusion of photons with arbitrary state of polarization: the Monte Carlo code MCSHAPE ... 213 (2004) 105
Fernandez, J.E., see Baldazzi, G. ... 213 (2004) 223
Fernández, P.L., L.S. Quindós, C. Sainz and J. Gómez, A theoretical approach to the measurement of radon diffusion and adsorption coefficients in radonproof membranes ... 217 (2004) 167
Fernández Timón, A., see Vargas, M.J. ... 213 (2004) 129
Fernández Timón, A., see Jurado Vargas, M. ... 217 (2004) 564
Fernández-Hidalgo, P., see Kreissig, U. ... 219–220 (2004) 908
Fernández-Jiménez, M.T., see Enguita, O. ... 219–220 (2004) 53
Fernández-Jiménez, M.T., see Enguita, O. ... 219–220 (2004) 384
Fernández-Jiménez, M.T., see Climent-Font, A. ... 219–220 (2004) 400
Ferrant, L., see Milazzo, P.M. ... 213 (2004) 36
Ferrari, P., see Baldazzi, G. ... 213 (2004) 223
Ferrari, S., see Skarlatos, D. ... 216 (2004) 75
Ferraz, G.M., see Souza, S.O. ... 218 (2004) 259
Ferré, R., see Garrido, B. ... 216 (2004) 213
Ferreira, L.M., see Oliveira, C. ... 213 (2004) 662
Ferrero, J.L., C. Roldán, D. Juanes, J. Carballo, J. Pereira, M. Ardid, J.L. Lluch and R. Vives, Study of inks on paper engravings using portable EDXRF spectrometry ... 213 (2004) 729
Ferretti, A., see Arnaldi, R. ... 213 (2004) 284
Ferro, G., see Labanti, C. ... 213 (2004) 260
Fettouhi, A., see Sharma, A. ... 218 (2004) 19
Feyh, A., see Bolse, W. ... 218 (2004) 80
Fichtner, P.F.P., see Lopes, J.M.J. ... 218 (2004) 438
Fichtner, P.F.P., see Mörschbächer, M.J. ... 219–220 (2004) 703
Fichtner, P.F.P., see da Silva, D.L. ... 219–220 (2004) 713
Fiedler, A., see Reinert, T. ... 219–220 (2004) 77

Fields, D., see Bassalleck, B. 214 (2004) 167
Filevich, A., see Francisco, D.H. 218 (2004) 461
Filippi, A., Open problems in low energy antineutron interactions 214 (2004) 65
Filippini, V., see Fujiwara, M.C. 214 (2004) 11
Filippini, V., see Bonomi, G. 214 (2004) 17
Finetti, P., D.M.P. Holland, C.J. Latimer and C. Binns, Polarisation analysis of VUV synchrotron radiation emitted from a bending magnet source in the energy range 20–50 eV: A comparison between measurements and theoretical predictions 215 (2004) 565
Fink, D., see Biswas, A. 217 (2004) 39
Fink, D., see Soares, M.R.F. 218 (2004) 300
Fink, D., A.V. Petrov, K. Hoppe, W.R. Fahrner, R.M. Papaleo, A.S. Berdinsky, A. Chandra, A. Chemseddine, A. Zrineh, A. Biswas, F. Faupel and L.T. Chadderton, Etched ion tracks in silicon oxide and silicon oxynitride as charge injection or extraction channels for novel electronic structures 218 (2004) 355
Fink, F., see Soares, M.R.F. 215 (2004) 90
Finnis, R., see Simon, A. 219–220 (2004) 405
Finocchiaro, P., see Cosentino, L. 211 (2003) 443
Fiocca, M., see Baccaro, S. 213 (2004) 666
Fioretto, E., M. Barbui, S. Giangrandi, M. Cinausero, G. Prete, G. Nebbia and G. Viesti, Neutron back-scattering sensor for the detection of land mines 213 (2004) 457
Fioretto, E., see Lunardon, M. 213 (2004) 544
Firestone, R.B., see English, G.A. 213 (2004) 410
Firestone, R.B., see Perry, D.L. 213 (2004) 527
Fischer, Ch.-H., see Strub, E. 219–220 (2004) 499
Fischer, H., see Bassalleck, B. 214 (2004) 167
Flambard, J.L., see Lehérissier, P. 211 (2003) 274
Flament, J.L., F. Ziélinski, S. Saudé and R.I. Grynszpan, Helium diffusion in metals investigated by nuclear reaction analysis 216 (2004) 161
Fleming, D.E.B., D.R. Chettle, F.E. McNeill and A.G.P. Weedon, Effects of measurement distance and source activity on the precision of X-ray fluorescence measurements of lead in a bone phantom 217 (2004) 471
Fleury-Frenette, K., see Gailly, P. 216 (2004) 206
Flocchini, R.G., see Mireles, A. 219–220 (2004) 187
Flores, M., see Andrade, E. 219–220 (2004) 763
Focardi, E., see Massi, M. 219–220 (2004) 722
Foerster, C.E., see Baptista, D.L. 218 (2004) 61
Foerster, C.E., F.C. Serbena, I.T.S. Garcia, C.M. Lepienski, L.S. Roman, J.R. Galvão and F.C. Zawislak, Mechanical properties of polyhedral oligomeric silsesquioxane (POSS) thin films submitted to Si irradiation 218 (2004) 375
Fontana, A., see Fujiwara, M.C. 214 (2004) 11
Fontana, A., see Bonomi, G. 214 (2004) 17
Foran, G.J., see Ridgway, M.C. 218 (2004) 421
Forrest, R., see Stamatelatos, I.E. 213 (2004) 511
Forster, J.S., see Schiettekatte, F. 219–220 (2004) 430
Forster, R.A., L.J. Cox, R.F. Barrett, T.E. Booth, J.F. Briesmeister, F.B. Brown, J.S. Bull, G.C. Geisler, J.T. Goorley, R.D. Mosteller, S.E. Post, R.E. Prael, E.C. Selcow and A. Sood, MCNP™ Version 5 ..... 213 (2004) 82
Forster, R.A., see Sood, A. 213 (2004) 167
Forterre, C., see Carrez, P. 211 (2003) 549
Fotina, O.V., see Drozdov, V.A. 212 (2003) 501
Fotina, O.V., see Yuminov, O.A. 212 (2003) 516
Foucher, Y., see van der Meer, K. 217 (2004) 202
Fraboni, B., see Zanarini, M. 213 (2004) 315
Fraboni, B., see Cesca, T. 216 (2004) 105
Frade, M., see Sullasi, H.S. 213 (2004) 756
Francisco, D.H., L. Vanni, O.A. Bernaola, G. Saint Martin and A. Filevich, Radial variation of track damage in polycarbonate 218 (2004) 461
Francoeur, S., see Wei, P. 219–220 (2004) 671
Franich, R.D., P.N. Johnston and I.F. Bubb, Efficient Monte Carlo simulation of heavy ion elastic recoil detection analysis spectra 219–220 (2004) 87

Frankenberg, D., see Greif, K.-D. ... 217 (2004) 505
Franklin, G., see Bassalleck, B. ... 214 (2004) 167
Franz, J., see Bassalleck, B. ... 214 (2004) 167
Franzò, G., see Irrera, A. ... 216 (2004) 222
Frazzoli, F.V., see Brunetti, G. ... 213 (2004) 414
Freer, B., see Kimura, K. ... 211 (2003) 206
Freitas, P.P., see Barradas, N.P. ... 219–220 (2004) 742
Friedland, E., Dependence of amorphization energies in SiC on electronic stopping ... 217 (2004) 396
Friedman, E. and A. Gal, Antiprotonic potentials from global fits to the PS209 data ... 214 (2004) 160
Friedrich, M., see Pilz, W. ... 219–220 (2004) 459
Fritioff, K., see Sandström, J. ... 217 (2004) 513
Fromknecht, R., see van Huis, M.A. ... 216 (2004) 390
Fromknecht, R., see Yang, B. ... 217 (2004) 60
Frontier, J.-P., see Beck, L. ... 219–220 (2004) 394
Frost, F., B. Ziberi, T. Höche and B. Rauschenbach, The shape and ordering of self-organized nanostructures by ion sputtering ... 216 (2004) 9
Frumar, M., see Wágner, T. ... 219–220 (2004) 875
Fu, G., K.-M. Wang, F. Chen, X.-L. Wang, S.-L. Li, D.-Y. Shen, H.-J. Ma and R. Nie, Extraordinary refractive-index increase in MeV B^{3+} ion-implanted $LiNbO_3$ waveguide ... 211 (2003) 346
Fu, J., see Reading, J.F. ... 214 (2004) 126
Fu, Y.Q., see Xie, D.Z. ... 211 (2003) 363
Fuhs, W., see Bohne, W. ... 217 (2004) 237
Fujiwara, M.C., M. Amoretti, C. Amsler, G. Bonomi, A. Bouchta, P. Bowe, C. Carraro, C.L. Cesar, M. Charlton, M. Doser, V. Filippini, A. Fontana, R. Funakoshi, P. Genova, J.S. Hangst, R.S. Hayano, L.V. Jørgensen, V. Lagomarsino, R. Landua, D. Lindelöf, E. Lodi Rizzini, M. Marchesotti, M. Macrì, N. Madsen, P. Montagna, H. Pruys, C. Regenfus, P. Riedler, A. Rotondi, G. Testera, A. Variola, D.P. van der Werf and ATHENA Collaboration, First production and detection of cold antihydrogen atoms ... 214 (2004) 11
Fujiwara, M.C., see Bonomi, G. ... 214 (2004) 17
Funakoshi, R., see Fujiwara, M.C. ... 214 (2004) 11
Funakoshi, R., see Bonomi, G. ... 214 (2004) 17
Funk, L., see Rehn, L.E. ... 212 (2003) 326
Funtua, I.I., see Siyanbola, W.O. ... 215 (2004) 240
Furdyna, J.K., see Yu, K.M. ... 219–220 (2004) 636
Furetta, C., see Rivera, T. ... 213 (2004) 325
Furetta, C., see Sepulveda, F. ... 213 (2004) 329
Furman, L., L. Petryka, Z. Stęgowski and A. Wierzbicki, Data acquisition and processing in radiotracer experiments ... 211 (2003) 436
Futatsugawa, S., see Clemente, E. ... 219–220 (2004) 161
Fuzhong, W., see Vittiglio, G. ... 213 (2004) 693

Gabańska, B., see Drozdowicz, K. ... 213 (2004) 42
Gabrielse, G., see Tan, J.N. ... 214 (2004) 22
Gaca, J., see Turos, A. ... 219–220 (2004) 618
Gago, R., see Kreissig, U. ... 219–220 (2004) 908
Gailhanou, M., see Coddens, G. ... 211 (2003) 122
Gailly, P., J.-P. Collette, C. Jamar, K. Fleury-Frenette, P. Médart and Y. Stockman, Roughness evolution of some X-UV reflective materials induced by low energy (<1 keV) ion beam milling ... 216 (2004) 206
Gal, A., see Friedman, E. ... 214 (2004) 160
Galindo, O.S., see Miranda, J. ... 219–220 (2004) 157
Gallego, J.M., see Grachev, S.Y. ... 219–220 (2004) 593
Gallien, J.-P., B. Orberger, L. Daudin, D.L. Pinti and J. Pasava, Nitrogen in biogenic and abiogenic minerals from Paleozoic black shales: an NRA study ... 217 (2004) 113
Gallio, M., see Arnaldi, R. ... 213 (2004) 284
Galvão, J.R., see Foerster, C.E. ... 218 (2004) 375
Gama, S., see Nejedly, Z. ... 219–220 (2004) 136

Gambaccini, M., see Baldazzi, G. 213 (2004) 603
Gambarini, G., C. Birattari, M. Mariani, R. Marchesini, L. Pirola, P. Prestini, M. Sella and S. Tomatis, Study of light transmittance from layers of Fricke-xylenol-orange-gel dosimeters 213 (2004) 321
Gambarini, G., see Baccaro, S. 213 (2004) 666
Ganem, J.-J., I. Trimaille, I.C., Vickridge, D. Blin and F. Martin, Study of thin hafnium oxides deposited by atomic layer deposition 219–220 (2004) 856
Ganem, J.-J., see Trimaille, I. 219–220 (2004) 914
Ganesh, K.E., see Mallikarjuna, M.L. 215 (2004) 4
Ganetsos, Th., see Mair, G.L.R. 211 (2003) 556
Ganetsos, Th., see Mair, G.L.R. 217 (2004) 347
Gao, F., see Weber, W.J. 216 (2004) 25
Gao, F., see Weber, W.J. 218 (2004) 68
Gao, F., M. Posselt, V. Belko, Y. Zhang and W.J. Weber, Structures and energetics of defects: a comparative study of 3C- and 4H-SiC 218 (2004) 74
Gao, H.J., see Liu, J. 212 (2003) 303
Gao, M.H., see Zhang, B. 219–220 (2004) 26
Gao, Y., see Zhao, B. 211 (2003) 339
Garabedian, G., see English, G.A. 213 (2004) 410
Garabedian, G., see Perry, D.L. 213 (2004) 527
García, C., see Garrido, B. 216 (2004) 213
García, G., see Enguita, O. 219–220 (2004) 53
García, G., see Pascual-Izarra, C. 219–220 (2004) 268
García, G., see Enguita, O. 219–220 (2004) 384
García, G., see Climent-Font, A. 219–220 (2004) 400
García, I.T.S., see Foerster, C.E. 218 (2004) 375
García, I.T.S., see Baptista, D.L. 219–220 (2004) 846
García, M., see Rivera, T. 213 (2004) 325
García, M.A., see Pivin, J.C. 215 (2004) 373
García Bermúdez, G., see Mazzei, R.O. 218 (2004) 313
García-López, J., see Vila, M. 211 (2003) 199
García López, J., see Battistig, G. 219–220 (2004) 652
García-Tenorio, R., see Toscano-Jimenez, M. 213 (2004) 779
García-Toraño, E., see Vargas, M.J. 213 (2004) 129
Gardner, R.P., see Fernández, J.E. ..... 213 (2004) vii
Gardner, R.P., see Sun, J. 213 (2004) 22
Gardner, R.P. and A. Sood, A Monte Carlo simulation approach for generating NaI detector response functions (DRFs) that accounts for non-linearity and variable flat continua 213 (2004) 87
Gardner, R.P., see Sood, A. 213 (2004) 100
Gardner, R.P., see Zhang, W. 213 (2004) 116
Gardner, R.P., W.A. Metwally and A. Shehata, A semi-empirical model for a ^{90}Sr beta-particle transmission thickness gauge for aluminum alloys 213 (2004) 357
Gardner, R.P., see Metwally, W.A. 213 (2004) 394
Gardner, R.P., see Guo, W. 213 (2004) 574
Garibotti, C.R., see Otranto, S. 217 (2004) 12
Garmer, M., see Pallon, J. 219–220 (2004) 988
Garrido, B., M. López, A. Pérez-Rodríguez, C. García, P. Pellegrino, R. Ferré, J.A. Moreno, J.R. Morante, C. Bonafos, M. Carrada, A. Claverie, J. de la Torre and A. Souifi, Optical and electrical properties of Si-nanocrystals ion beam synthesized in SiO_2 ..... 216 (2004) 213
Garrido, F., see Gentils, A. 218 (2004) 457
Garrido, F., see Thomé, L. 219–220 (2004) 99
Garrido, F., L. Nowicki, G. Sattonnay, T. Sauvage and L. Thomé, Lattice location of helium in uranium dioxide single crystals 219–220 (2004) 196
Garrido, F., see Jagielski, J. 219–220 (2004) 626
Garrison, B.J., see Arezki, B. 212 (2003) 369
Garrison, B.J., see Delcorte, A. 212 (2003) 414
Garton, D., see Cohen, D.D. 219–220 (2004) 145

Garwan, M.A., see Naqvi, A.A. ... 215 (2004) 283
Gasaneo, G., see Otranto, S. ... 217 (2004) 12
Gąsiorek, S., S. Dhar, J. Keinonen, K.P. Lieb and T. Sajavaara, Chemically guided epitaxy of Rb-ion amorphized α-quartz: the roles of Rb and oxygen ... 216 (2004) 62
Gąsiorek, S., see Sahoo, P.K. ... 216 (2004) 324
Gasparotto, A., see Cesca, T. ... 216 (2004) 105
Gatteschi, D., see de Julián Fernández, C. ... 216 (2004) 245
Gaubert, G., see Lehérissier, P. ... 211 (2003) 274
Gaudin, G., see Cayrel, F. ... 216 (2004) 291
Gaudry, A., see El Khoukhi, T. ... 213 (2004) 770
Gaysinskiy, V., see Nagarkar, V.V. ... 213 (2004) 476
Gehring, R., see Bassalleck, B. ... 214 (2004) 167
Gehrke, R.J., R. Aryaeinejad, J.K. Hartwell, W.Y. Yoon, E. Reber and J.R. Davidson, The γ-ray spectrum of ^{252}Cf and the information contained within it ... 213 (2004) 10
Geiger, J.S., see Schiettekatte, F. ... 219–220 (2004) 430
Geisler, G.C., see Forster, R.A. ... 213 (2004) 82
Genova, P., see Fujiwara, M.C. ... 214 (2004) 11
Genova, P., see Bonomi, G. ... 214 (2004) 17
Gentils, A., L. Thomé, J. Jagielski, L. Nowicki, S. Klaumünzer, F. Garrido and M. Beauvy, Damage production in cubic zirconia irradiated with swift heavy ions ... 218 (2004) 457
Gentils, A., see Thomé, L. ... 219–220 (2004) 99
Gentils, A., see Pantelica, D. ... 219–220 (2004) 373
Gentils, A., see Jagielski, J. ... 219–220 (2004) 626
Georgescu, L., see Chipara, M. ... 211 (2003) 117
Geppert, C., see Rauth, C. ... 215 (2004) 268
Geraki, K., M.J. Farquharson, D.A. Bradley and R.P. Hugtenburg, A synchrotron XRF study on trace elements and potassium in breast tissue ... 213 (2004) 564
Gerardy, I., see Tondeur, F. ... 213 (2004) 658
Gerber, J., see van der Meer, K. ... 217 (2004) 202
Gerlach, G., see Guenther, M. ... 216 (2004) 143
Gerlach, J.W., see Keckes, J. ... 211 (2003) 519
Gerndt, J., see Čechák, T. ... 213 (2004) 735
Geyer, R., see Bassalleck, B. ... 214 (2004) 167
Ghaleb, D., see Ollier, N. ... 218 (2004) 176
Ghazali, Z., see Wongsuban, B. ... 211 (2003) 244
Ghose, D., see Karmakar, P. ... 212 (2003) 358
Ghose, D., P. Karmakar and E. Parilis, Evidence of Coulomb explosion sputtering of ultra-thin Pt films due to impact of multi-charged Ar ions ... 212 (2003) 420
Ghosh, S., see Kabiraj, D. ... 212 (2003) 135
Ghosh, S., see Som, T. ... 212 (2003) 206
Ghosh, S., D.K. Avasthi, T. Som, A. Tripathi, S.K. Srivastava, F. Grüner and W. Assmann, Ion velocity, charge state and substrate dependent electronic sputtering of fullerene ... 212 (2003) 431
Ghosh, S., P. Ayyub, N. Kumar, S.A. Khan and D. Banerjee, In situ monitoring of electrical resistance of nanoferrite thin film irradiated by 190 MeV Au^{14+} ions ... 212 (2003) 510
Ghosh, S., see Avasthi, D.K. ... 219–220 (2004) 206
Ghosh, S., D.K. Avasthi, A. Tripathi, D. Kabiraj, S. Singh and D.S. Misra, Electronic sputtering of carbon allotropes ... 219–220 (2004) 973
Giaccone, V., see Balzan, S. ... 219–220 (2004) 72
Giangrandi, S., see Fioretto, E. ... 213 (2004) 457
Giannazzo, F., see Mirabella, S. ... 216 (2004) 80
Gianotti, F., see Labanti, C. ... 213 (2004) 260
Giardina, G., see Drozdov, V.A. ... 212 (2003) 501
Giedd, R.E., see Wang, Y.Q. ... 219–220 (2004) 798
Giesen, U., see Greif, K.-D. ... 217 (2004) 505
Gigliotti, D., see Greife, U. ... 217 (2004) 1
Gilboy, W.B., see Tavora, L.M.N. ... 213 (2004) 155

Gillberg, J.E., see Wang, Z. 211 (2003) 251
Gilliam, D.M., see Schleier-Smith, M.H. 215 (2004) 531
Gini, L., see Bonardi, M.L. 213 (2004) 348
Gini, L., see Groppi, F. 213 (2004) 373
Girard, S., J. Keurinck, A. Boukenter, J.-P. Meunier, Y. Ouerdane, B. Azaïs, P. Charre and M. Vié, Gamma-rays and pulsed X-ray radiation responses of nitrogen-, germanium-doped and pure silica core optical fibers 215 (2004) 187
Girard, T.A., see Oliveira, C. 213 (2004) 172
Giubilato, P., see Bisello, D. 219–220 (2004) 1000
Giuliani, F., see Oliveira, C. 213 (2004) 172
Giuntini, L., see Zucchiatti, A. 219–220 (2004) 20
Giuntini, L., see Massi, M. 219–220 (2004) 722
Glasmacher, U.A., see Lang, M. 218 (2004) 466
Glass, G.A., see Dymnikov, A.D. 219–220 (2004) 994
Glazov, L.G. and I. Pázsit, Applications of invariant embedding: positron backscattering from surfaces .. 215 (2004) 509
Glover, C.J., see Ridgway, M.C. 218 (2004) 421
Głowacka, E., see Przybyłowicz, W.J. 219–220 (2004) 57
Gnana Prakash, A.P., S.C. Ke and K. Siddappa, I–V and deep level transient spectroscopy studies on 60 MeV oxygen ion irradiated NPN transistors 215 (2004) 457
Gnaser, H., Formation of molecular doubly charged anions in sputtering 212 (2003) 407
Gnaser, H., W. Bock, E. Rowlett, Y. Men, C. Ziegler, R. Zapf and V. Hessel, Secondary-ion mass spectrometry (SIMS) analysis of catalyst coatings used in microreactors 219–220 (2004) 880
Goergens, L., see Dollinger, G. 219–220 (2004) 333
Goertz, S., see Bassalleck, B. 214 (2004) 167
Gokov, S.P., see Bobkov, V.V. 218 (2004) 46
Goldberg, M.B., see van der Meer, K. 217 (2004) 202
Goldberg, R.D., see Werner, M. 216 (2004) 67
Golnik, N., see Mayer, S. 213 (2004) 214
Golnik, N., S. Mayer and M. Zielczyacutenski, Recombination index of radiation quality of low-LET radiation 213 (2004) 650
Golosio, B., A. Brunetti and R. Cesareo, Algorithmic techniques for quantitative Compton tomography . 213 (2004) 108
Golovkov, V.M., see Ryabchikov, A.I. 213 (2004) 364
Gombia, M., see Baldazzi, G. 213 (2004) 603
Gomma, M.A., see Mamoon, A. 213 (2004) 766
Gómez, J., see Fernández, P.L. 217 (2004) 167
Gonçalves, I.F., E. Martinho and J. Salgado, Extension to cylindrical samples of the universal curve of resonance neutron self-shielding factors 213 (2004) 186
Gonçalves, M., see Deppman, A. 211 (2003) 15
Goncalves, M.C., see Dahmouche, K. 211 (2003) 160
Gonçalves, O.D., see Poletti, M.E. 213 (2004) 595
Goncerz, G., see Wróbel, A. 213 (2004) 556
Gonzales, E., see Milazzo, P.M. 213 (2004) 36
González, R., see Pinto, J.V. 218 (2004) 128
González, R., see Savoini, B. 218 (2004) 148
González, R., see Tardío, M. 218 (2004) 164
González-Díaz, G., see Bohne, W. 217 (2004) 237
Gonzalez-Arrabal, R., see Grachev, S.Y. 219–220 (2004) 593
González-Hernández, J., see Rojas-Rodriguez, I. 215 (2004) 537
Gonzalo, J., see Pascual-Izarra, C. 219–220 (2004) 268
Goorley, J.T., see Forster, R.A. 213 (2004) 82
Gordon, J., Simplified modelling of an ion linac used for ion implantation 217 (2004) 143
Goswami, D.K., see Satpati, B. 212 (2003) 157
Goswami, D.K. and B.N. Dev, Observation of smoothing and self-affine fractal roughness on MeV ion-irradiated Si surfaces 212 (2003) 253
Goswami, D.K., see Satpati, B. 212 (2003) 332
Goswami, D.K., see Bera, S. 212 (2003) 530

Gottdang, A., see Calcagnile, L. 215 (2004) 561
Gottdang, A., see Mous, D.J.W. 219–220 (2004) 480
Govindasamy, R., see Alford, T.L. 219–220 (2004) 897
Gowda, R., see Mallikarjuna, M.L. 215 (2004) 4
Gozani, T., The role of neutron based inspection techniques in the post 9/11/01 era 213 (2004) 460
Grötzschel, R., see Kokkoris, M. 219–220 (2004) 226
Grötzschel, R., C. Klein and M. Mäder, RBS with high depth resolution using small magnetic spectrometers 219–220 (2004) 344
Grüner, F., see Toulemonde, M. 212 (2003) 346
Grüner, F., see Ghosh, S. 212 (2003) 431
Grabiec, P., see Schenkel, T. 219–220 (2004) 200
Grabmayr, P., see Natter, F.A. 211 (2003) 465
Grachev, S.Y., J.M. Gallego, D. Écija, D.O. Boerma, R. Gonzalez-Arrabal and R. Miranda, A combined LEIS/STM study of two types of surface reconstruction of magnetic Fe_4N layers 219–220 (2004) 593
Grachev, V., see Ottini-Hustache, S. 213 (2004) 279
Graczyk, M., see Timmers, H. 219–220 (2004) 263
Grajcar, M., see Döbeli, M. 219–220 (2004) 415
Granada, J.R., see Blostein, J.J. 217 (2004) 333
Grande, P.L., see Araujo, L.L. 219–220 (2004) 246
Grassi, N., A. Migliori, P.A. Mandò and H. Calvo del Castillo, Identification of lapis-lazuli pigments in paint layers by PIGE measurements 219–220 (2004) 48
Grassi, N., see Massi, M. 219–220 (2004) 722
Gravalidis, C., see Laskarakis, A. 216 (2004) 131
Greaves, E.D., see Suarez, S.M. 213 (2004) 784
Green, S., see Yin, Z. 213 (2004) 646
Greene, G.A., see Morgan, G.L. 211 (2003) 297
Greene, R.L., see Kulkarni, V.N. 219–220 (2004) 902
Greif, K.-D., H.J. Brede, D. Frankenberg and U. Giesen, The PTB single ion microbeam for irradiation of living cells 217 (2004) 505
Greife, U., S. Bishop, L. Buchmann, M.L. Chatterjee, A.A. Chen, J.M. D'Auria, S. Engel, D. Gigliotti, D. Hunter, D.A. Hutcheon, A. Hussein, C.C. Jewett, A.M. Laird, M. Lamey, W. Liu, A. Olin, D. Ottewell, J. Rogers and C. Wrede, Energy loss around the stopping power maximum of Ne, Mg and Na ions in hydrogen gas 217 (2004) 1
Grekhov, I.V., see Kozlovski, V.V. 215 (2004) 385
Grigorov, G., see Tačev, T. 213 (2004) 626
Grigoryan, L.Sh., A.H. Mkrtchyan, H.F. Khachatryan, W. Wagner, A.A. Saharian and K.S. Baghdasaryan, On the amplification of radiant energy during channeling in acoustically excited single crystal 212 (2003) 51
Grimaldi, M.G., see Romano, L. 219–220 (2004) 727
Grimaldi, M.G., see Piro, A.M. 219–220 (2004) 732
Grime, G.W., see Enguita, O. 219–220 (2004) 384
Grimstone, M.J., see Wright, G.A. 213 (2004) 162
Grishin, V., see Beknazarov, M. 212 (2003) 82
Gritsyna, V.T., see Bobkov, V.V. 218 (2004) 46
Gritsyna, V.T., I.V. Afanasyev-Charkin, Yu.G. Kazarinov and K.E. Sickafus, Optical transitions in magnesium aluminate spinel crystals of different compositions exposed to irradiation 218 (2004) 264
Gritsyna, V.V., see Bobkov, V.V. 218 (2004) 46
Grivet, M., see Tisserand, R. 215 (2004) 129
Grob, J.J., see Chemam, R. 216 (2004) 116
Grob, J.J., see Saudé, S. 216 (2004) 156
Grob, J.J., see En Naciri, A. 216 (2004) 167
Grob, J.J., see Cerruti, C. 216 (2004) 329
Grob, J.J., see D'Orléans, C. 216 (2004) 372
Großhans, I., H. Karl and B. Stritzker, Combinatorial ion implantation – a smart technique applied to synthesize CdSe-nanocrystals 216 (2004) 396
Groetzschel, R., see Nageswara Rao, S.V.S. 212 (2003) 442
Groetzschel, R., see Turos, A. 219–220 (2004) 618
Groppi, F., see Bonardi, M.L. 213 (2004) 348

Groppi, F., M.L. Bonardi, C. Birattari, L. Gini, C. Mainardi, E. Menapace, K. Abbas, U. Holzwarth and R.M.F. Stroosnijder, Thin-target excitation functions and optimisation of NCA ^{64}Cu and ^{66,67}Ga production by deuteron induced nuclear reactions on natural zinc target, for radiometabolic therapy and for PET 213 (2004) 373
Grosshans, I., H. Karl and B. Stritzker, Temporal evolution of ion implanted CdSe distribution in SiO_2on silicon during annealing 219–220 (2004) 820
Grossmann, F., see Kentsch, U. 216 (2004) 196
Grötzschel, R., see Kolloris, M. 219–220 (2004) 226
Grötzschel, R., C. Klein and M. Mäder, RBS with high depth resolution using small magnetic spectrometers 219–220 (2004) 344
Gruhn, C.R., see Maggiore, C. 214 (2004) 181
Grümer, F., see Toulemonde, M. 212 (2003) 346
Grümer, F., see Ghosh, S. 212 (2003) 431
Grusemann, U., see Schrempel, F. 218 (2004) 209
Grynszpan, R.I., see Saudé, S. 216 (2004) 156
Grynszpan, R.I., see Flament, J.L. 216 (2004) 161
Grzonka, D., see Tan, J.N. 214 (2004) 22
Gu, C., see Sun, Q. 217 (2004) 300
Guardini, S., see Brunetti, G. 213 (2004) 414
Guedes, S., J.C. Hadler Neto, P. José Iunes and C.A. Tello Saenz, Kinetic model for the relationship between confined fission-track length shortening and fission-track age reduction in minerals 217 (2004) 627
Guenther, M., G. Gerlach, G. Suchaneck, K. Sahre, K.-J. Eichhorn, V. Baturin and S. Duvanov, Physical properties and structure of thin ion-beam modified polymer films 216 (2004) 143
Guillaume, J., see Tondeur, F. 213 (2004) 658
Guille, J.L., see Cerruti, C. 216 (2004) 329
Guille, J.L., see D'Orléans, C. 216 (2004) 372
Guillemot, L., V.A. Esaulov and E.A. Sanchez, Channelling and stopping of hydrogen and fluorine ions in grazing scattering on an Ag(1 1 0) surface at low keV energies and effects of oxygen adsorption 212 (2003) 20
Guin, R., see Chowdhury, D.P. 211 (2003) 288
Gujrathi, S., see Schiettekatte, F. 219–220 (2004) 125
Gujrathi, S., see Schiettekatte, F. 219–220 (2004) 430
Gundu Rao, T.K., see Kamalapurkar, B.A. 211 (2003) 383
Gundu Rao, T.K., see Chauhan, A.R. 212 (2003) 451
Gundu Rao, T.K., see Bhole, K.G. 212 (2003) 525
Gunsing, F., see Milazzo, P.M. 213 (2004) 36
Guo, W., R.P. Gardner and W.A. Metwally, Preliminary studies on K and L coincidence spectroscopy for optimizing the in vivo XRF measurement of lead in bone 213 (2004) 574
Guo, Z., see Zhao, Z. 217 (2004) 621
Gupta, A., see Amirthapandian, S. 212 (2003) 140
Gupta, A., see Som, T. 212 (2003) 206
Gupta, A., C. Meneghini, A. Saraiya, G. Principi and D.K. Avasthi, Depth selective XANES study of swift heavy ion irradiation effects in metal/Si systems 212 (2003) 458
Gupta, A., see Chaudhuri, S. 217 (2004) 589
Gupta, R., G.A. Müller, P. Schaaf, K. Zhang and K.P. Lieb, Magnetic modifications of thin CoFe films induced by Xe^+-ion irradiation 216 (2004) 350
Gupta, R., see Biswas, A. 217 (2004) 39
Gupta, S., see Sahoo, P.K. 216 (2004) 313
Gurbich, A.F., On the concept of an actual Coulomb barrier 217 (2004) 183
Gusarov, A.I., see Volchek, A.O. 211 (2003) 100
Güven, O., see Saraydın, D. 217 (2004) 281
Guy, D., see Voronina, E. 215 (2004) 525
Gwilliam, R.M., see Simon, A. 219–220 (2004) 405

Haan, S., see Ottini-Hustache, S. 213 (2004) 279
Haas, F., see Cerruti, C. 216 (2004) 329
Haas, F., see D'Orléans, C. 216 (2004) 372

Häberlen, M., J.K.N. Lindner and B. Stritzker, Effect of substrate orientation on defect generation and annealing behaviour in carbon implanted silicon ... 216 (2004) 36
Habermeier, H.-U., see Alves, E. ... 219–220 (2004) 933
Habraken, F.H.P.M., see Arnoldbik, W.M. ... 219–220 (2004) 312
Hadler Neto, J.C., see Guedes, S. ... 217 (2004) 627
Hageali, M., see Roumié, M. ... 219–220 (2004) 871
Haglund Jr., R.F., see Feldman, L.C. ... 212 (2003) 1
Hailey, C.J., W.W. Craig, F.A. Harrison, J. Hong, K. Mori, J. Koglin, H.T. Yu and K.P. Ziock, Development of the gaseous antiparticle spectrometer for space-based antimatter detection ... 214 (2004) 122
Haire, R.G., see Lian, J. ... 218 (2004) 236
Haitsma, R.G., see Mous, D.J.W. ... 219–220 (2004) 480
Haitsma, R.G., see Mous, D.J.W. ... 219–220 (2004) 490
Hajdas, W., see van der Meer, K. ... 217 (2004) 202
Hallén, A., see Zhang, Y. ... 219–220 (2004) 647
Hamada, E., see He, C. ... 211 (2003) 571
Hamada, E., see Djourelov, N. ... 215 (2004) 83
Hamann, N., see Bassalleck, B. ... 214 (2004) 167
Han, H.M., see Liang, J.H. ... 219–220 (2004) 783
Han, H.S., see Kim, H. ... 217 (2004) 429
Han, K.-H., see Spemann, D. ... 219–220 (2004) 886
Hanano, N., see Nakabayashi, M. ... 219–220 (2004) 676
Haneda, H., see Sakaguchi, I. ... 217 (2004) 417
Hangst, J.S., see Fujiwara, M.C. ... 214 (2004) 11
Hangst, J.S., see Bonomi, G. ... 214 (2004) 17
Hänsch, T.W., see Tan, J.N. ... 214 (2004) 22
Hanson, A.L., see Morgan, G.L. ... 211 (2003) 297
Hassan, M.A., see Wongsuban, B. ... 211 (2003) 244
Hanstorp, D., see Sandström, J. ... 217 (2004) 513
Harding, G., B. David and J.P. Schlomka, Liquid metal anode X-ray sources and their potential applications ... 213 (2004) 189
Harjunmaa, A., T., Sajavaara, K. Arstila, K. Kukli and J. Keinonen, Thin film nanolaminate analysis by simultaneous heavy ion recoil and X-ray spectrometry ... 219–220 (2004) 773
Harmsen, J., see Bassalleck, B. ... 214 (2004) 167
Harrison, F.A., see Hailey, C.J. ... 214 (2004) 122
Hartmann, F.J., see Trzcińska, A. ... 214 (2004) 157
Hartwell, J.K., see Gehrke, R.J. ... 213 (2004) 10
Haruyama, Y., see Ogawa, H. ... 212 (2003) 27
Hashim, K., see Wongsuban, B. ... 211 (2003) 244
Hassan, G.M., see Sharaf, M.A. ... 217 (2004) 603
Hathiramani, D., P. Scheier, H. Bräuning, R. Trassl, E. Salzborn, L.P. Presnyakov, A.A. Narits and D.B. Uskov, Investigation of fullerene ions in crossed-beams experiments ... 212 (2003) 67
Hatori, S., see Yasuda, K. ... 219–220 (2004) 425
Hauffe, J., see Bassalleck, B. ... 214 (2004) 167
Hauptner, A., see Reichart, P. ... 219–220 (2004) 980
Hawas, O., see Cohen, D.D. ... 219–220 (2004) 145
Hayakawa, S., see Ma, C.-J. ... 217 (2004) 657
Hayano, R.S. and E. Widmann, Editorial ... 214 (2004) vii
Hayano, R.S., see Fujiwara, M.C. ... 214 (2004) 11
Hayano, R.S., see Bonomi, G. ... 214 (2004) 17
Hayano, R.S., see Widmann, E. ... 214 (2004) 31
Hayano, R.S., see Sakaguchi, J. ... 214 (2004) 89
Hayano, R.S., see Juhász, B. ... 214 (2004) 98
Hayashi, K., H. Takayama, M. Ishikawa, S. Abo, T. Lohner and M. Takai, TOF-RBS with medium energy heavy ion probe for semiconductor process analysis ... 219–220 (2004) 589
Haynes, T.E., see Feldman, L.C. ... 212 (2003) 1
He, C., E. Hamada, N. Djourelov, T. Suzuki, H. Kobayashi, K. Kondo and Y. Ito, Development on a pulsed slow-positron beam: Moderator and bunching signal waveform ... 211 (2003) 571
He, C., see Djourelov, N. ... 215 (2004) 83

He, S., see Hu, Z. ... 217 (2004) 321
He, W.-H., see Ding, F.-R. ... 217 (2004) 572
He, X., see Li, R. ... 211 (2003) 91
He, Y., J.Y. Feng and W.Z. Li, $CoSi_2$ formation by high current ion implantation with a metal vapor vacuum arc ion source ... 211 (2003) 358
Hebras, X., see Cristiano, F. ... 216 (2004) 46
Heckel, J., see Vittiglio, G. ... 213 (2004) 693
Hedler, A., S. Urban, T. Kups, U. Kaiser and W. Wesch, Laser irradiation of ion beam synthesized Ge nanocrystals in SiC ... 218 (2004) 337
Hehl, T., see Natter, F.A. ... 211 (2003) 465
Heil, M., see Milazzo, P.M. ... 213 (2004) 36
Heiland, W., see Scheer, J.A. ... 212 (2003) 291
Heinig, K.-H., see Pilz, W. ... 219–220 (2004) 459
Heinsius, F., see Bassalleck, B. ... 214 (2004) 167
Heitz, J., see Švorčík, V. ... 217 (2004) 307
Helava, H.I., see Kozlovski, V.V. ... 215 (2004) 385
Helean, K.B., see Lian, J. ... 218 (2004) 236
Hellhammer, R., see Sulik, B. ... 212 (2003) 32
Hemalatha, J., see Ponnusamy, V. ... 217 (2004) 611
Henkelmann, R., see Li, X. ... 215 (2004) 246
Henning, W.F., The future GSI facility ... 214 (2004) 211
Henry, E.A., see Morgan, G.L. ... 211 (2003) 297
Henttinen, K., see Höchbauer, T. ... 216 (2004) 257
Henttinen, K., see Nurmela, A. ... 219–220 (2004) 747
Hermanne, A., see Tárkányi, F. ... 211 (2003) 22
Hermanne, A., see Takács, S. ... 211 (2003) 169
Hermanne, A., see Tárkányi, F. ... 211 (2003) 319
Hermanne, A., S. Takács, F. Tárkányi and R. Bolbos, Experimental cross sections for charged particle production of the therapeutic radionuclide ^{111}Ag and its PET imaging analogue $^{104mg}Ag$ ... 217 (2004) 193
Hermanne, A., see Tárkányi, F. ... 217 (2004) 373
Hermanne, A., see Tárkányi, F. ... 217 (2004) 531
Hernandes, A.C., see Macedo, Z.S. ... 218 (2004) 153
Hernandes, A.C., see de Magalhães, C.M.S. ... 218 (2004) 277
Hernández-Landaverde, M.A., see Rojas-Rodriguez, I. ... 215 (2004) 537
Hérold, C., see Berger, P. ... 219–220 (2004) 1005
Herrera, A., see Rojas-Rodriguez, I. ... 215 (2004) 537
Hertz, K.L., R.A. Causey and D.F. Cowgill, The effect of coatings on retention and permeation in SS 316L APT tritium production tubes ... 215 (2004) 143
Hertzog, D., see Bassalleck, B. ... 214 (2004) 167
Heselius, S.-J., see Tárkányi, F. ... 211 (2003) 22
Hessel, V., see Gnaser, H. ... 219–220 (2004) 880
Hessels, E.A., see Tan, J.N. ... 214 (2004) 22
Hibma, T., see van Huis, M.A. ... 216 (2004) 390
Hill, D.H., see Wielunski, L.S. ... 219–220 (2004) 708
Hirano, M., see Takahara, S. ... 218 (2004) 133
Hirano, M., see Yoshida, T. ... 218 (2004) 202
Hirano, M., see Kajihara, K. ... 218 (2004) 323
Hirano, M., see Kawamura, K. ... 218 (2004) 332
Hirao, K., see Nakamura, N. ... 217 (2004) 51
Hirao, T., see Nakabayashi, M. ... 219–220 (2004) 676
Hirao, T., see Ohyama, H. ... 219–220 (2004) 718
Hirao, T., see Kamiya, T. ... 219–220 (2004) 1010
Hirao, T., see Laird, J.S. ... 219–220 (2004) 1015
Hirota, R., K. Kushida, J. Takahashi and K. Kuriyama, Carbon doping by ion implantation and C_2H_6 gas in GaN: Rutherford backscattering/channeling, Raman scattering and photoluminescence studies ... 219–220 (2004) 792
Hishita, S., see Sakaguchi, I. ... 217 (2004) 417
Hiyama, E., Theoretical prediction to double Λ hypernuclear spectroscopy with antiprotons ... 214 (2004) 153

Hjort, K., see Toulemonde, M. ... 216 (2004) 1
Hnatowicz, V., Simple kinetic model of ion induced gas emission from polymers ... 215 (2004) 162
Hnatowicz, V., see Švorčík, V. ... 215 (2004) 366
Hnatowicz, V., see Švorčík, V. ... 217 (2004) 307
Hnatowitz, V., see Wágner, T. ... 219–220 (2004) 875
Ho, E.C.Y., see Measday, D.F. ... 213 (2004) 464
Höchbauer, T., A. Misra, M. Nastasi, K. Henttinen, T. Suni, I. Suni, S.S. Lau and W. Ensinger, Comparison of thermally and mechanically induced Si layer transfer in hydrogen-implanted Si wafers ... 216 (2004) 257
Höchbauer, T., see Nastasi, M. ... 219–220 (2004) 604
Höchbauer, T., see Lee, J.K. ... 219–220 (2004) 662
Höche, T., see Frost, F. ... 216 (2004) 9
Hode, T., see Kristiansson, P. ... 219–220 (2004) 561
Hodgson, E.R., see Ibarra, A. ... 218 (2004) 29
Hofer, C., S. Abermann, C. Teichert, T. Bobek, H. Kurz, K. Lyutovich and E. Kasper, Ion bombardment induced morphology modifications on self-organized semiconductor surfaces ... 216 (2004) 178
Hofmann, B., see Maden, C. ... 219–220 (2004) 176
Höhne, R., see Spemann, D. ... 219–220 (2004) 886
Holc, M., see Šmit, Ž. ... 219–220 (2004) 524
Holländer, B., see Mörschbächer, M.J. ... 219–220 (2004) 703
Holland, D.M.P., see Finetti, P. ... 215 (2004) 565
Holland, O.W., The unique role of ion beam analysis in modeling the thermal evolution of hydrogen in Si implanted at doses required for ion cutting ... 219–220 (2004) 788
Holzscheiter, M.H., see Maggiore, C. ... 214 (2004) 181
Holzwarth, U., see Groppi, F. ... 213 (2004) 373
Hong, J., see Hailey, C.J. ... 214 (2004) 122
Hong, J.W., see Lee, S.W. ... 219–220 (2004) 963
Hong, S.K., see Kim, H. ... 217 (2004) 429
Hopman, T., see Denker, A. ... 219–220 (2004) 130
Hoppe, K., see Fink, D. ... 218 (2004) 355
Hori, M., see Widmann, E. ... 214 (2004) 31
Hori, M., Atomic transition frequencies and primary populations of $\bar{p}He^{+}$ measured by ASACUSA ... 214 (2004) 74
Hori, M., see Sakaguchi, J. ... 214 (2004) 89
Hori, M., see Juhász, B. ... 214 (2004) 98
Horn, I.M., see Murphy, J.J. ... 215 (2004) 423
Horn, R., see Rauth, C. ... 215 (2004) 268
Horvat, V., R.L. Watson, K.E. Zaharakis and Y. Peng, Projectile charge dependence of cross-sections for multiple electron capture and loss by 2 MeV/u Xe ions in nitrogen ... 211 (2003) 495
Horváth, D., see Sakaguchi, J. ... 214 (2004) 89
Horváth, D., see Juhász, B. ... 214 (2004) 98
Hoshino, Y., see Kido, Y. ... 219–220 (2004) 599
Hosono, H., see Kajihara, K. ... 218 (2004) 323
Hosono, H., see Kawamura, K. ... 218 (2004) 332
Hotchkis, M.A.C., see Tuniz, C. ... 213 (2004) 469
Hou, M., see Sun, Y. ... 212 (2003) 211
Hou, M.D., see Liu, J. ... 212 (2003) 303
Hsu, J.Y., Y.C. Yu, J.H. Liang, K.M. Chen and H. Niu, Energy loss of He, Li and B isotopes with MeV energies in Au ... 219–220 (2004) 251
Hu, P., J. Zhang, Q. Jin, L. Shi and Z. Zhou, Proton elastic scattering cross sections of titanium from 1.0 to3.0 MeV at the laboratory angle of 151° ... 217 (2004) 551
Hu, X., see Li, R. ... 211 (2003) 91
Hu, Z., S. He and D. Yang, Effect of <200 keV proton radiation on electric properties of silicon solar cells at 77 K ... 217 (2004) 321
Huang, M.B., J. Zhu and S. Oktyabrsky, Enhanced radiation hardness of photoluminescence from InAs quantum dots embedded in an AlAs/GaAs superlattice structure ... 211 (2003) 505
Huang, S., see Nie, H. ... 213 (2004) 579
Hubbell, J.H. and S.M. Seltzer, Cross section data for electron–positron pair production by photons: a status report ... 213 (2004) 1
Huber, N., see Švorčík, V. ... 217 (2004) 307

Huda, M.Q. and K. Sakamoto, Thick elevation of silicon on patterned structure using ion implantation induced selective etching ... 216 (2004) 20
Huffman, P.R., see Schleier-Smith, M.H. ... 215 (2004) 531
Huffman, P.R., see Dzhosyuk, S.N. ... 217 (2004) 457
Hugtenburg, R.P., see Muthuvelu, P. ... 213 (2004) 548
Hugtenburg, R.P. and D.A. Bradley, Anomalous Rayleigh scattering with dilute concentrations of elements of biological importance ... 213 (2004) 552
Hugtenburg, R.P., see Geraki, K. ... 213 (2004) 564
Hugtenburg, R.P., see Yin, Z. ... 213 (2004) 646
Huikari, J., see Laitinen, P. ... 219–220 (2004) 530
Hunter, D., see Greife, U. ... 217 (2004) 1
Huo, Y., see Wang, Z.G. ... 211 (2003) 239
Huo, Y., see Wang, Z.G. ... 215 (2004) 436
Hussein, A., see Greife, U. ... 217 (2004) 1
Hutcheon, D.A., see Greife, U. ... 217 (2004) 1
Hutchison, R., see Ramana, C.V. ... 212 (2003) 465

Iacona, F., see Irrera, A. ... 216 (2004) 222
Iaiche, S., see Benazzouz, C. ... 213 (2004) 519
Ibarra, A. and E.R. Hodgson, The ITER project: the role of insulators ... 218 (2004) 29
Ibarra, A., see Mollá, J. ... 218 (2004) 189
İçelli, O. and S. Erzeneoğlu, A new method for the determination of molecular scattering differential cross sections in some lanthanide compounds with energy dispersive X-ray fluorescence system ... 215 (2004) 9
Ichihara, S., T. Nakagawa, M. Nitta, S. Abo, T. Lohner, C. Angelov, K. Ohta and M. Takai, Characterization of dopant profiles produced by ultra-shallow As implantation and spike annealing using medium energy ion scattering ... 219–220 (2004) 584
Ichikawa, S., see Jeong, S.C. ... 212 (2003) 483
Ichioka, T., see Maggiore, C. ... 214 (2004) 181
Ide-Ektessabi, A., T. Kawakami and F. Watt, Distribution and chemical state analysis of iron in the Parkinsonian substantia nigra using synchrotron radiation micro beams ... 213 (2004) 590
Ide-Ektessabi, A., K. Shirasawa, A. Koizumi and M. Azechi, Application of synchrotron radiation microbeams to environmental monitoring ... 213 (2004) 761
Igarashi, A., S. Nakazaki and A. Ohsaki, Ionization cross sections of helium and hydrogenic ions by antiproton impact ... 214 (2004) 135
Igielski, A., see Drozdowicz, K. ... 213 (2004) 42
Ihaddadene-Le Coq, L., J. Marcon, A. Dush-Nicolini, K. Masmoudi and K. Ketata, Diffusion simulations of boron implanted at low energy (500 eV) in crystalline silicon ... 216 (2004) 303
Ihaddadene-Lenglet, M. and J. Marcon, Optimization of InGaAs/InP MHBT and HBT's technology: control and modeling of beryllium diffusion phenomena ... 216 (2004) 297
Ii, T., see Takahara, S. ... 218 (2004) 133
Iijima, R., see Suzuki, M. ... 219–220 (2004) 851
Ikezawa, K., S. Mitsuishi and T. Maruyama, Proton irradiation experiments of optocouplers ... 215 (2004) 449
Ikuta, Y., see Kajihara, K. ... 218 (2004) 323
Ila, D., see Nageswara Rao, S.V.S. ... 212 (2003) 442
Ila, D., see Innegraeve, O. ... 219–220 (2004) 191
Ila, D., see Muntele, C.I. ... 219–220 (2004) 759
Im, S., see Park, C.H. ... 216 (2004) 127
Im, S., see Son, J.H. ... 216 (2004) 346
Imadate, F., see Tominaga, H. ... 213 (2004) 540
Impellizzeri, G., see Mirabella, S. ... 216 (2004) 80
Impellizzeri, G., see De Salvador, D. ... 216 (2004) 286
Ingale, A., see Bajwa, N. ... 212 (2003) 233
Ingram, D.C., see Keay, J.C. ... 211 (2003) 305
Ingram, D.C., Measurement of deuterium in the presence of protium by elastic recoil spectroscopy ... 219–220 (2004) 450
Ingram, D.C., H. Lozykowski and W.M. Jadwisienczak, RBS ion channeling study of low concentrations of ion implanted samarium in GaN ... 219–220 (2004) 699

Innegraeve, O., X. Blanchet, C.I. Muntele, I.C. Muntele, R.L. Zimmerman, L. Popa-Simil, D. Voiculescu, P.M. Racolta and D. Ila, PIXE pollution studies across Europe 219–220 (2004) 191
Ino, T., see Suzuki, M. 219–220 (2004) 851
Inoguchi, Y., see Ma, C.-J. 215 (2004) 501
Inokuti, M., see Smith, D.Y. 218 (2004) 170
Inomata, T., see Yasuda, K. 219–220 (2004) 425
Insepov, Z.A., see Terasawa, M. 212 (2003) 436
Ionescu, P., see Pantelica, D. 219–220 (2004) 373
Ip, W.-H., see Lee, C.S. 219–220 (2004) 323
Irigaray, J.L., see Barbotteau, Y. 215 (2004) 214
Irrera, A., M. Miritello, D. Pacifici, G. Franzò, F. Priolo, F. Iacona, D. Sanfilippo, G. Di Stefano and P.G. Fallica, Electroluminescence properties of SiO_x layers implanted with rare earth ions 216 (2004) 222
Iseki, D., see Endo, I. 217 (2004) 666
Ishida, Y., M. Wada, Y. Matsuo, I. Tanihata, A. Casares and H. Wollnik, A time-of-flight mass spectrometer to resolve isobars 219–220 (2004) 468
Ishigami, R., see Yasuda, K. 219–220 (2004) 425
Ishii, Y., A. Isoya, T. Kojima and K. Arakawa, Estimation of keV submicron ion beam width using a knife-edge method 211 (2003) 415
Ishikawa, H., see Wang, Q. 217 (2004) 598
Ishikawa, M., see Hayashi, K. 219–220 (2004) 589
Ishikawa, N., see El-Said, A.S. 218 (2004) 492
Ishikawa, T., see Sakaguchi, J. 214 (2004) 89
Ishikawa, T., see Juhász, B. 214 (2004) 98
Ishiyama, H., see Jeong, S.C. 212 (2003) 483
Isoya, A., see Ishii, Y. 211 (2003) 415
Isozumi, Y., see Tosaki, M. 219–220 (2004) 241
Ito, T., see Azuma, T. 212 (2003) 397
Ito, Y., see He, C. 211 (2003) 571
Ito, Y., see Djourelov, N. 215 (2004) 83
Ito, Y., see Yasuda, K. 219–220 (2004) 425
Iurlaro, G., see Pani, R. 213 (2004) 197
Ivanda, M., see Desnica, U.V. 216 (2004) 407
Ivanov, P.A., see Kozlovski, V.V. 215 (2004) 385
Iwamoto, K.S., see Maggiore, C. 214 (2004) 181
Iwase, A., see Jeong, S.C. 212 (2003) 483
Iwase, A., see El-Said, A.S. 218 (2004) 492

Jackson, R.A. and M.E.G. Valerio, Computer modelling of doping and ion implantation in F^-/OH^--topaz 218 (2004) 42
Jackson, R.A. and M.E.G. Valerio, Computer modelling of radiation generated defects in BGO scintillators 218 (2004) 145
Jackson, R.A., see Amaral, J.B. 218 (2004) 232
Jadwisienczak, W.M., see Ingram, D.C. 219–220 (2004) 699
Jagadish, C., see Coelho, A.V.P. 218 (2004) 381
Jagadish, C., see Pesenti, G.C. 218 (2004) 386
Jagielski, J., see Gentils, A. 218 (2004) 457
Jagielski, J., see Thomé, L. 219–220 (2004) 99
Jagielski, J., A. Gentils, L. Thomé, L. Nowicki, F. Garrido and S. Klaumünzer, Channeling study of the damage induced in zirconia irradiated with high-energy heavy ions 219–220 (2004) 626
Jain, R.K., see Nageswara Rao, S.V.S. 212 (2003) 473
Jakschik, S., see Dollinger, G. 219–220 (2004) 333
Jallu, F., see Mariani, A. 211 (2003) 389
Jamar, C., see Gailly, P. 216 (2004) 206
Janson, M., see Zhang, Y. 219–220 (2004) 647
Janssens, K., see Vittiglio, G. 213 (2004) 693
Janssens, K., see Šmit, Ž. 213 (2004) 717
Janssens, K., see Proost, K. 213 (2004) 723
Janssens, K., see Šmit, Ž. 219–220 (2004) 35

Jardin, C., see Canut, B. ... 218 (2004) 487
Jardin, P., see Lehérissier, P. ... 211 (2003) 274
Jastrzębski, J., see Trzcińska, A. ... 214 (2004) 157
Jasudasan, J., see Wanchoo, S.K. ... 212 (2003) 539
Jayavel, P., see Santhakumar, K. ... 212 (2003) 197
Jayavel, P., K. Santhakumar and K. Asokan, Studies on the nitrogen ion irradiation induced defects in n-GaAs by deep level transient spectroscopy ... 212 (2003) 496
Jayavel, P., see Santhakumar, K. ... 212 (2003) 521
Jembrih-Simbürger, D., see Vittiglio, G. ... 213 (2004) 693
Jeong, I.S., see Park, C.H. ... 216 (2004) 127
Jeong, K., see Son, J.H. ... 216 (2004) 346
Jeong, S.C., I. Katayama, H. Kawakami, H. Ishiyama, H. Miyatake, M. Sataka, A. Iwase, S. Okayasu, H. Sugai, S. Ichikawa, K. Nishio, Y. Sugiyama, M. Yahagi, K. Takada and M. Watanabe, Simulation of radiotracer method for diffusion studies using short-lived radioactive nuclear beams ... 212 (2003) 483
Jergel, Ma., see Andrade, E. ... 219–220 (2004) 768
Jergel, Mi., see Andrade, E. ... 219–220 (2004) 768
Jérisian, R., see Cayrel, F. ... 216 (2004) 291
Jesus, A.P., see Mateus, R. ... 219–220 (2004) 307
Jesus, A.P., see Mateus, R. ... 219–220 (2004) 519
Jewett, C.C., see Greife, U. ... 217 (2004) 1
Jeynes, C., see Boudreault, G. ... 217 (2004) 177
Jeynes, C., see Simon, A. ... 219–220 (2004) 405
Jiang, B., C. Ren, Z. Zheng, X. Liu, H. Fan, L. Yao, Y. Li and X. Su, Preferred crystal orientation of hafnium films prepared by ion beam assisted deposition ... 215 (2004) 413
Jiang, S.H., see Sheu, R.J. ... 217 (2004) 555
Jiang, W., see Weber, W.J. ... 216 (2004) 25
Jiang, W., see Weber, W.J. ... 218 (2004) 68
Jiang, W., W.J. Weber, L.M. Wang and K. Sun, Amorphization processes in Au ion irradiated GaN at 150–300 K ... 218 (2004) 427
Jiang, W., see Smith, R.J. ... 219–220 (2004) 631
Jiang, W., W.J. Weber, V. Shutthanandan, L. Li and S. Thevuthasan, Thermal and dynamic responses of Ag implants in silicon carbide ... 219–220 (2004) 642
Jiang, W., see Zhang, Y. ... 219–220 (2004) 647
Jin, J., see Zhao, Z. ... 219–220 (2004) 804
Jin, Q., see Hu, P. ... 217 (2004) 551
Jin, Y., see Sun, Y. ... 212 (2003) 211
Jin, Y., see Sun, Y. ... 218 (2004) 318
Jin, Y.F., see Liu, J. ... 212 (2003) 303
Jin, Y.F., see Wang, Z.G. ... 218 (2004) 472
Jindal, V.K., see Bajwa, N. ... 212 (2003) 233
Johann, L., see En Naciri, A. ... 216 (2004) 167
Johannessen, B., see Ridgway, M.C. ... 218 (2004) 421
Johansen, A., see Andersen, H.H. ... 212 (2003) 56
Johansson, T., see Bassalleck, B. ... 214 (2004) 167
Johnson, S., see Markwitz, A. ... 217 (2004) 583
Johnston, P.N., see Franich, R.D. ... 219–220 (2004) 87
Jomard, F., see Espiau de Lamaestre, R. ... 216 (2004) 402
Joneja, O.P., see Negreanu, C. ... 213 (2004) 55
Jones, T., see Bassalleck, B. ... 214 (2004) 167
Jorgensen, L.V., see Fujiwara, M.C. ... 214 (2004) 11
Jorgensen, L.V., see Bonomi, G. ... 214 (2004) 17
José Iunes, P., see Guedes, S. ... 217 (2004) 627
Joseph, B., see Mohapatra, S. ... 217 (2004) 578
Joshipura, K.N., see Vinodkumar, M. ... 212 (2003) 63
Joumori, S., see Kimura, K. ... 219–220 (2004) 351
Juanes, D., see Ferrero, J.L. ... 213 (2004) 729
Juhász, B., see Sakaguchi, J. ... 214 (2004) 89

Juhász, B., J. Eades, R.S. Hayano, M. Hori, D. Horváth, T. Ishikawa, H.A. Torii, E. Widmann, H. Yamaguchi and T. Yamazaki, Effects of impurity molecules on the lifetime of antiprotonic helium atoms 214 (2004) 98
Jurado Vargas, M. and A. Fernández Timón, Scattering and self-absorption corrections in the measurement of α-particle emitters in 2π geometry 217 (2004) 564

Käppeler, F., see Milazzo, P.M. 213 (2004) 36
Kabiraj, D., see Singh Kamboj, M. 211 (2003) 369
Kabiraj, D. and S. Ghosh, Metastable defects in SI-GaAs: Effect of high energy ion-irradiation 212 (2003) 135
Kabiraj, D., see Som, T. 212 (2003) 151
Kabiraj, D., see Som, T. 212 (2003) 206
Kabiraj, D., see Kumar, S. 212 (2003) 238
Kabiraj, D., see Kumar, S. 212 (2003) 242
Kabiraj, D., see Srivastava, S.K. 219–220 (2004) 815
Kabiraj, D., see Ghosh, S. 219–220 (2004) 973
Kadhane, U., see Singh, Y.P. 212 (2003) 72
Kaidashev, E.M., see Spemann, D. 219–220 (2004) 891
Kailas, S., see Tripathi, R. 211 (2003) 138
Kaiser, U., see Hedler, A. 218 (2004) 337
Kajihara, K., Y. Ikuta, M. Oto, M. Hirano, L. Skuja and H. Hosono, UV–VUV laser induced phenomena in SiO_2 glass 218 (2004) 323
Kalbitzer, S., Novel concepts for mass storage of archival data 218 (2004) 343
Kamalapurkar, B.A., S.K. Dubey, A.D. Yadav, K.G. Bhole, K.S. Chandrashekaran, T.K. Gundu Rao, T. Mohanti and D. Kanjilal, Investigation of 70 MeV iron irradiation induced defects in C-silicon 211 (2003) 383
Kamalapurkar, B.A., see Bhole, K.G. 212 (2003) 525
Kamarou, A., see Wendler, E. 218 (2004) 36
Kamimura, M., see Kino, Y. 214 (2004) 84
Kaminsky, A., see Bisello, D. 219–220 (2004) 1000
Kamiya, T., see Kawamura, K. 218 (2004) 332
Kamiya, T., see Nakabayashi, M. 219–220 (2004) 676
Kamiya, T., see Ohyama, H. 219–220 (2004) 718
Kamiya, T., T. Hirao and Y. Kobayashi, Development of single-ion hit techniques and their applications at TIARA of JAERI Takasaki 219–220 (2004) 1010
Kamiya, T., see Laird, J.S. 219–220 (2004) 1015
Kaneko, T., M. Watamori, H. Makita, C. Araujo and G. Kano, Damage evaluation after ion beam irradiation on polyimide films using ERD and RBS techniques simultaneously 219–220 (2004) 236
Kang, H.J., see Lee, H.-I. 219–220 (2004) 959
Kang, H.J., see Lee, S.W. 219–220 (2004) 963
Kanjilal, D., see Kamalapurkar, B.A. 211 (2003) 383
Kanjilal, D., see Mohanty, T. 212 (2003) 179
Kanjilal, D., see Santhakumar, K. 212 (2003) 521
Kanjilal, D., see Bhole, K.G. 212 (2003) 525
Kankeleit, E., see Stahl, B. 211 (2003) 227
Kanngießer, B., W. Malzer and I. Reiche, A new 3D micro X-ray fluorescence analysis set-up – First archaeometric applications 211 (2003) 259
Kano, G., see Kaneko, T. 219–220 (2004) 236
Kanzow, J., see Biswas, A. 217 (2004) 39
Kapetanakis, E., see Normand, P. 216 (2004) 228
Karadağ, E., see Saraydın, D. 217 (2004) 281
Karczewski, G., see Nowicki, L. 219–220 (2004) 666
Karl, H., see Großhans, I. 216 (2004) 396
Karl, H., see Grosshans, I. 219–220 (2004) 820
Karmakar, P. and D. Ghose, Photon emission in ion beam sputtering of an Mg target 212 (2003) 358
Karmakar, P., see Ghose, D. 212 (2003) 420
Karmakar, P., see De, U. 212 (2003) 505
Karolewski, M.A., Collision cascade containment in classical dynamics simulations of sputtering 211 (2003) 43
Karolewski, M.A., Sputtering of stepped Cu surfaces by 3 keV Ar projectiles with glancing angles of incidence 211 (2003) 190

Kasahara, M., see Ma, C.-J. 215 (2004) 501
Kasahara, M., see Ma, C.-J. 217 (2004) 657
Kasap, S.O., see Wágner, T. 219–220 (2004) 875
Kaschny, J.R., A. Morrone, A. de Mattos, J.E. Schmidt and M. Behar, Ion beam induced modification of gold thin films deposited over polymers 218 (2004) 308
Kasper, E., see Hofer, C. 216 (2004) 178
Kastner, F., see Draxler, M. 219–220 (2004) 578
Kasztovszky, Zs., see Révay, Zs. 213 (2004) 385
Katayama, I., see Ogawa, H. 212 (2003) 27
Katayama, I., see Jeong, S.C. 212 (2003) 483
Kavčič, M., see Uršič, M. 211 (2003) 7
Kawabata, J., see Tominaga, H. 213 (2004) 540
Kawakami, H., see Jeong, S.C. 212 (2003) 483
Kawakami, T., see Ide-Ektessabi, A. 213 (2004) 590
Kawamura, K., D. Takamizu, T. Kurobori, T. Kamiya, M. Hirano and H. Hosono, Nano-fabrication of optical devices in transparent dielectrics: volume gratings in SiO_2 and DFB Color center laser in LiF 218 (2004) 332
Kazarinov, Yu.G., see Gritsyna, V.T. 218 (2004) 264
Ke, S.C., see Gnana Prakash, A.P. 215 (2004) 457
Keay, J.C. and D.C. Ingram, Absolute cross section for forward recoiling hydrogen with 1.0–12.5 MeV ^{4}He 211 (2003) 305
Keckes, J., A. Wenzel, J.W. Gerlach and B. Rauschenbach, Annealing of the radiation damage in Mg-implanted GaN thin films: Temperature development of lattice parameters and stresses 211 (2003) 519
Keinonen, J., see Peltola, J. 212 (2003) 118
Keinonen, J., see Salonen, E. 212 (2003) 286
Keinonen, J., see Gąsiorek, S. 216 (2004) 62
Keinonen, J., see Peltola, J. 217 (2004) 25
Keinonen, J., see Harjunmaa, A. 219–220 (2004) 773
Keller, R., see Schenkel, T. 219–220 (2004) 200
Kelly, I., see Tesfamichael, T. 217 (2004) 97
Kennedy, V.J., see Markwitz, A. 217 (2004) 583
Kentsch, U., S. Landgraf, M. Schmidt, H. Tyrroff, G. Zschornack, F. Grossmann, V.P. Ovsyannikov and F. Ullmann, Slow highly charged ions for nanoscale surface modifications 216 (2004) 196
Kertész, Z., see Sziki, G. 219–220 (2004) 420
Kesavamoorthy, R., see Santhakumar, K. 212 (2003) 381
Kesavamoorthy, R., see Santhakumar, K. 212 (2003) 521
Ketata, K., see Ihaddadene-Le Coq, L. 216 (2004) 303
Keurinck, J., see Girard, S. 215 (2004) 187
Keyser, R.M., Resolution and sensitivity as a function of energy and incident geometry for germanium detectors 213 (2004) 236
Khachatryan, H.F., see Grigoryan, L.Sh. 212 (2003) 51
Khairulin, R.A., S.V. Stankus, O.Ya. Savchenko, A.V. Baginskii and P.V. Ulyusov, Transmission of gamma rays through the curved single crystals of gadolinium–gallium garnet 215 (2004) 353
Khaled, N.E., see El-Sersy, A.R. 215 (2004) 443
Khan, S.A., see Tripathi, A. 212 (2003) 402
Khan, S.A., see Ghosh, A. 212 (2003) 510
Khan, S.A., see Nageswara Rao, S.V.S. 212 (2003) 545
Khánh, N.Q., see Battistig, G. 219–220 (2004) 652
Khasaev, T.O., see Bogolubov, Ye.P. 213 (2004) 439
Khaustov, P., see Bassalleck, B. 214 (2004) 167
Kholkin, A.L., see Barradas, N.P. 217 (2004) 479
Kido, Y., S. Semba and Y. Hoshino, Inelastic energy loss and spectrum shape for medium energy He ions undergoing a large-angle single collision with Si(1 1 1)-$\sqrt{3}\times\sqrt{3}$–Sb 219–220 (2004) 599
Kienle, P., Medium energy antiproton absorption, a tool to study neutron halo nuclei 214 (2004) 191
Kihel, S., see Nachab, A. 215 (2004) 228
Kilian, K., see Bassalleck, B. 214 (2004) 167
Kim, H., K. Park, B. Min, J.S. Lee, K. Cho, S. Kim, H.S. Han, S.K. Hong and T. Yao, Transmuted isotopes doped in neutron-irradiated ZnO thin films 217 (2004) 429
Kim, H.B., see Son, J.H. 216 (2004) 346

Kim, H.B., J.H. Son, C.N. Whang and K.H. Chae, Ellipsometric spectroscopy study of Ar ion-beam mixed SiO_2/Si/SiO_2 layers ... 216 (2004) 367
Kim, H.C., see Thompson, D.C. ... 219–220 (2004) 968
Kim, J.H., see Lee, S.W. ... 219–220 (2004) 963
Kim, J.-I., see Trofimov, V.I. ... 216 (2004) 334
Kim, J.K., see Lennard, W.N. ... 215 (2004) 297
Kim, S., see Kim, H. ... 217 (2004) 429
Kim, T.G., see Park, C.H. ... 216 (2004) 127
Kimpland, R.H., see Souto, F.J. ... 213 (2004) 369
Kimura, K., Y. Oota, K. Nakajima, M. Suzuki, T. Aoki, J. Matsuo, A. Agarwal, B. Freer, A. Stevenson andM. Ameen, Molecular effect on projected range in ultralow-energy ion implantation ... 211 (2003) 206
Kimura, K., Ultra-fast luminescence in heavy-ion track-cores in insulators: Electron–hole plasma ... 212 (2003) 123
Kimura, K., see Koshimizu, M. ... 212 (2003) 376
Kimura, K., S. Joumori, Y. Oota, K. Nakajima and M. Suzuki, High-resolution RBS: a powerful tool for atomic level characterization ... 219–220 (2004) 351
Kimura, K., see Sakai, W. ... 219–220 (2004) 369
Kimura, K., see Nakajima, K. ... 219–220 (2004) 514
Kimura, T., see Muto, S. ... 218 (2004) 117
King, N.S.P., see Morgan, G.L. ... 211 (2003) 297
Kingsberry, P., see Bassalleck, B. ... 214 (2004) 167
Kino, Y., see Yamanaka, N. ... 214 (2004) 40
Kino, Y., M. Kamimura and H. Kudo, Numerical accuracy of the energy levels of antiprotonic helium atoms ... 214 (2004) 84
Király, B., T. Sanami, R. Dóczi and J. Csikai, Detection of explosives and illicit drugs using neutrons ... 213 (2004) 452
Kirk, B.L., see Rivard, M.J. ... 213 (2004) 621
Kishimoto, N., N. Okubo, O.A. Plaksin, N. Umeda, J. Lu and Y. Takeda, Stability of nanoparticles in $LiNbO_3$ induced by negative Cu ions and ultrafast nonlinear optical property ... 218 (2004) 416
Kishimoto, N., see Plaksin, O. ... 219–220 (2004) 294
Kishimoto, N., see Takeda, Y. ... 219–220 (2004) 737
Kishimoto, N., O.A. Plaksin, N. Umeda and Y. Takeda, Atomic transport in insulators under high-flux heavy-ion implantation ... 219–220 (2004) 810
Kishimoto, N., see Amekura, H. ... 219–220 (2004) 825
Kishimoto, N., see Okubo, N. ... 219–220 (2004) 830
Kishimoto, N., see Boldyryeva, H. ... 219–220 (2004) 953
Kiss, Á., see Szíki, G.Á. ... 219–220 (2004) 508
Kiss, Á.Z., see Szíki, G. ... 219–220 (2004) 420
Kiss, Á.Z., see Uzonyi, I. ... 219–220 (2004) 555
Kitazawa, H., see Amekura, H. ... 219–220 (2004) 825
Klaumünzer, S., Ion hammering of silica colloids ... 215 (2004) 345
Klaumünzer, S., see Gentils, A. ... 218 (2004) 457
Klaumünzer, S., see Jagielski, J. ... 219–220 (2004) 626
Klein, C., see Grötzschel, R. ... 219–220 (2004) 344
Klein, M., see Calcagnile, L. ... 215 (2004) 561
Kling, A., M. Rico, C. Zaldo, M. Aguiló and F. Díaz, Photoluminescence of Er-implanted KTP and RTP crystals ... 218 (2004) 271
Klinger, P., see Vittiglio, G. ... 213 (2004) 693
Klockenkämper, R., see von Bohlen, A. ... 217 (2004) 158
Klopfstein, M.J., see Lucca, D.A. ... 219–220 (2004) 611
Kłos, B., see Trzcińska, A. ... 214 (2004) 157
Kluge, H.-J., see Quint, W. ... 214 (2004) 207
Knapp, J.A., K. Arstila, W.R. Wampler, J.C. Banks and B.L. Doyle, Elastic recoil detection analysis of ^{3}He ... 219–220 (2004) 440
Knapp, J.A., see Arstila, K. ... 219–220 (2004) 1058
Knudsen, H.V., see Maggiore, C. ... 214 (2004) 181
Kobayashi, H., see He, C. ... 211 (2003) 571
Kobayashi, K., see Kudo, K. ... 213 (2004) 305
Kobayashi, T., see Shimoda, S. ... 219–220 (2004) 573
Kobayashi, Y., see Kamiya, T. ... 219–220 (2004) 1010
Koch, H. (for the PANDA Collaboration), Hadron physics with antiprotons ... 214 (2004) 50

Koglin, J., see Hailey, C.J. ... 214 (2004) 122
Kohoutek, T., see Wágner, T. ... 219–220 (2004) 875
Koivisto, H., see Tarvainen, O. ... 217 (2004) 136
Koizumi, A., see Ide-Ektessabi, A. ... 213 (2004) 761
Kojima, T., see Ishii, Y. ... 211 (2003) 415
Kokhanenko, A.P., see Voitsekhovskii, A.V. ... 215 (2004) 109
Kokkoris, M., G. Perdikakis, S. Kossionides, S. Petrović, R. Vlastou and R. Grötzschel, A study of the dechanneling of protons in SiC polytype crystals in the energy range E_p = 400–650 keV ... 219–220 (2004) 226
Kolar, J., see Budnar, M. ... 219–220 (2004) 41
Kolařik, V., see Tačev, T. ... 213 (2004) 626
Kolarova, R., see Schiettekatte, F. ... 219–220 (2004) 430
Kolodziej, J.J., see Krok, F. ... 212 (2003) 264
Komaki, K., see Azuma, T. ... 212 (2003) 397
Koncz, Cs., see Sulik, B. ... 212 (2003) 32
Kondo, K., see He, C. ... 211 (2003) 571
Kondo, K., see Djourelov, N. ... 215 (2004) 83
Kono, K., see Plaksin, O. ... 219–220 (2004) 294
Kono, K., see Takeda, Y. ... 219–220 (2004) 737
Kono, K., see Boldyryeva, H. ... 219–220 (2004) 953
Kooi, B.J., see van Huis, M.A. ... 216 (2004) 121
Kooi, B.J., see van Huis, M.A. ... 216 (2004) 149
Kooi, B.J., see van Huis, M.A. ... 216 (2004) 390
Kooi, B.J., see van Huis, M.A. ... 218 (2004) 410
Kopecká, I., see Čechák, T. ... 213 (2004) 735
Kopniczky, J., see Vorobyova, I.V. ... 211 (2003) 374
Koptagel, E., see Saraydın, D. ... 217 (2004) 281
Korenman, G.Ya., N.P. Yudin and S.N. Yudin, Collisional effects on HFS transitions of antiprotonic helium ... 214 (2004) 94
Körner, H.-J., see Reichart, P. ... 219–220 (2004) 980
Korobov, V.I., Auger-dominant metastable states in the antiprotonic helium atom ... 214 (2004) 80
Korotkov, S.A., see Bogolubov, Ye.P. ... 213 (2004) 439
Korytko, L.A., see Bogolubov, Ye.P. ... 213 (2004) 439
Kos, M., see Šmit, Ž. ... 213 (2004) 717
Koshelev, A.P., see Barmakov, Ju.N. ... 213 (2004) 241
Koshikawa, H., see Zhu, Z. ... 217 (2004) 449
Koshikawa, S., see Kudo, K. ... 213 (2004) 305
Koshimizu, M., K. Asai and K. Kimura, Time-resolved luminescence spectra of electron–hole plasma in ion-irradiated CdS ... 212 (2003) 376
Kosiba, R., G. Ecke, V. Cimalla, L. Spieß, S. Krischok, J.A. Schaefer, O. Ambacher and W.J. Schaff, Sputter depth profiling of InN layers ... 215 (2004) 486
Kossionides, S., see Kokkoris, M. ... 219–220 (2004) 226
Kothari, A., see Nageswara Rao, S.V.S. ... 212 (2003) 545
Kottler, C., see Döbeli, M. ... 219–220 (2004) 415
Koudryashov, V.I., see Serebryakov, A.S. ... 213 (2004) 699
Kouznetsov, S., see Nazmov, V. ... 217 (2004) 409
Koyama, M., see Suzuki, M. ... 219–220 (2004) 851
Kozakiewicz, A.G., see Amolo, G.O. ... 218 (2004) 244
Kozakiewicz, A.G., see Davidson, A.T. ... 218 (2004) 249
Kozlovski, V.V., V.N. Lomasov, D.S. Rumyantsev, I.V. Grekhov, P.A. Ivanov, T.P. Samsonova, H.I. Helava and L.O. Ragle, Ion-beam mixing at Ni/n-6H–SiC interface under irradiation by H^+-ions ... 215 (2004) 385
Kramer, R., see Vieira, J.W. ... 213 (2004) 654
Krasheninnikov, A.V. and K. Nordlund, Irradiation effects in carbon nanotubes ... 216 (2004) 355
Kravchenko, I.I., see Luta, A.M. ... 215 (2004) 223
Krbal, M., see Wágner, T. ... 219–220 (2004) 875
Krčmar, M., see Krečak, Z. ... 213 (2004) 310
Krečak, Z., M. Krčmar, M. Bogovac and A. Ljubičić, Channeltron operating in coincidence mode ... 213 (2004) 310
Kreissig, U., see Barradas, N.P. ... 219–220 (2004) 742

Kreissig, U., R. Gago, M. Vinnichenko, P. Fernández-Hidalgo, R.J. Martín-Palma and J.M. Martínez-Duart, Heavy-ion ERDA and spectroscopic ellipsometry characterization of a SiOC:H layered structure as functional coating on polymeric lenses . . . 219–220 (2004) 908
Kriegler, E., see Bassalleck, B. . . . 214 (2004) 167
Krischok, S., see Kosiba, R. . . . 215 (2004) 486
Kristiansson, P., see Wegdén, M. . . . 219–220 (2004) 67
Kristiansson, P., see Shariff, A. . . . 219–220 (2004) 110
Kristiansson, P., see Auzelyte, V. . . . 219–220 (2004) 485
Kristiansson, P., see Shariff, A. . . . 219–220 (2004) 494
Kristiansson, P., see Wegdén, M. . . . 219–220 (2004) 550
Kristiansson, P., T. Hode, V. Auzelyte, M. Elfman, K. Malmqvist, C. Nilsson, J. Pallon, A. Shariff and M. Wegdén, Development of a system for determination of the $^{13}C/^{12}C$ isotopic ratio with high spatial resolution . . . 219–220 (2004) 561
Kristiansson, P., see Pallon, J. . . . 219–220 (2004) 988
Krok, F., J.J. Kolodziej, B. Such, P. Piatkowski and M. Szymonski, Ion beam-induced nanostructuring of InSb(0 0 1) surfaces studied with atomic force microscopy . . . 212 (2003) 264
Krücken, R., see Reichart, P. . . . 219–220 (2004) 980
Kruse, O., see Tripathi, A. . . . 219–220 (2004) 435
Krynicka, E., see Drozdowicz, K. . . . 213 (2004) 42
Krzyżanowska, H., see von Bohlen, A. . . . 217 (2004) 158
Kuboyama, S., see Ohyama, H. . . . 219–220 (2004) 718
Kucal, H., see Toulemonde, M. . . . 212 (2003) 346
Kudo, H., see Kino, Y. . . . 214 (2004) 84
Kudo, K., N. Takeda, A. Uritani, S. Koshikawa, Y. Shibata, K. Kobayashi and T. Yoshimoto, Ideal response function of a ^{3}He proportional counter to thermal neutrons determined by different length counters . . 213 (2004) 305
Kukli, K., see Harjunmaa, A. . . . 219–220 (2004) 773
Kulagin, E., S. Kulikov, V. Melikhov and E. Shabalin, Radiation effects in cold moderator materials: Experimental study of accumulation and release of chemical energy . . . 215 (2004) 181
Kulibaba, V.I., see Blazhevich, S.V. . . . 212 (2003) 88
Kulikov, S., see Kulagin, E. . . . 215 (2004) 181
Kulkarni, V.N., see Sahoo, P.K. . . . 216 (2004) 313
Kulkarni, V.N., S.R. Shinde, Y.G., Zhao, R.J. Choudhary, S.B. Ogale, R.L. Greene and T. Venkatesan, Channeling and resonant backscattering investigations of Co doped diluted magnetic oxide films prepared by pulsed laser deposition . . . 219–220 (2004) 902
Kumagai, H., see Ueda, Y. . . . 215 (2004) 419
Kumar, M., see Tripathi, A. . . . 212 (2003) 402
Kumar, N., see Dogra, A. . . . 212 (2003) 184
Kumar, N., see Dogra, A. . . . 212 (2003) 190
Kumar, N., see Ghosh, A. . . . 212 (2003) 510
Kumar, N., see Biswas, A. . . . 217 (2004) 39
Kumar, R., see Dogra, A. . . . 212 (2003) 184
Kumar, R., see Dogra, A. . . . 212 (2003) 190
Kumar, R., R. Prasad, Y.K. Vijay, N.K. Acharya, K.C. Verma and U. De, Ion beam modification of CR-39 (DOP) and polyamide nylon-6 polymers . . . 212 (2003) 221
Kumar, R., see Bajwa, N. . . . 212 (2003) 233
Kumar, S., P.K. Sahoo, R.S. Chauhan, D. Kabiraj, U. Tiwari, D. Varma and D.K. Avasthi, Mixing in Au/Si system by nuclear energy loss . . . 212 (2003) 238
Kumar, S., R.S. Chauhan, R.P. Singh, D. Kabiraj, P.K. Sahoo, C. Rumbolz, S.K. Srivastava, W. Bolse and D.K. Avasthi, Mixing in Cu/Ge system by swift heavy ions . . . 212 (2003) 242
Kumar, S., see Tripathi, A. . . . 212 (2003) 402
Kumar, S., see Diwan, P.K. . . . 215 (2004) 27
Kumar, V., see Barashenkov, V.S. . . . 217 (2004) 352
Kumawat, H., see Barashenkov, V.S. . . . 217 (2004) 352
Kummer, M., see Seng, H.L. . . . 215 (2004) 235
Kundu, S., Interface modification of Ag/Co system: X-ray reflectivity study . . . 212 (2003) 489
Kunz, J., see Wróbel, A. . . . 213 (2004) 556
Kups, T., see Hedler, A. . . . 218 (2004) 337

Kuri, G., see Bera, S. ... 212 (2003) 530
Kuriyama, K., see Hirota, R. ... 219–220 (2004) 792
Kurnaev, V.A., see Novikov, N.V. ... 212 (2003) 96
Kurnaev, V.A., see Bogomolova, L.D. ... 212 (2003) 164
Kurnaev, V.A., N.N. Trifonov and V.A. Urusov, Ion reflection from solids at sliding incidence – computer simulations versus analytical theories and experiment ... 212 (2003) 270
Kurobori, T., see Kawamura, K. ... 218 (2004) 332
Kurth, M., see Tripathi, A. ... 212 (2003) 402
Kurz, H., see Hofer, C. ... 216 (2004) 178
Kushida, K., see Hirota, R. ... 219–220 (2004) 792

La Via, F., see Piro, A.M. ... 219–220 (2004) 732
Labanti, C., G. Di Cocco, G. Ferro, E. Bottacini, F. Gianotti, A. Mauri, E. Rossi, J.B. Stephen, A. Traci, M. Trifoglio and M. Valli, Building a pixellated detector for gamma-ray imaging: the PICsIT example ... 213 (2004) 260
Labohm, F., see van Huis, M.A. ... 216 (2004) 149
LaDuca, C.A., see Banks, J.C. ... 219–220 (2004) 444
Lagomarsino, V., see Fujiwara, M.C. ... 214 (2004) 11
Lagomarsino, V., see Bonomi, G. ... 214 (2004) 17
Lagrange, P., see Berger, P. ... 219–220 (2004) 1005
Lagunas-Solar, M., see Mireles, A. ... 219–220 (2004) 187
Laird, A.M., see Greife, U. ... 217 (2004) 1
Laird, J.S., T. Hirao, S. Onoda and T. Kamiya, The role of high-injection effects on the transient ion beam induced current response of high-speed photodetectors ... 219–220 (2004) 1015
Laitinen, P., I. Riihimäki, J. Huikari and J. Räisänen, Versatile use of ion beams for diffusion studies by the modified radiotracer technique ... 219–220 (2004) 530
Lakdar, A., see Vittiglio, G. ... 213 (2004) 693
Lakshmi, G.B.V.S., see Tripathi, A. ... 212 (2003) 402
Lakshmi, G.B.V.S., see Nageswara Rao, S.V.S. ... 212 (2003) 545
Lakshminarasappa, B.N., see Nagabhushana, H. ... 211 (2003) 545
Lakshminarayanan, V., see Balaji, S. ... 217 (2004) 423
Lamey, M., see Greife, U. ... 217 (2004) 1
Lamotte, A., see Vittiglio, G. ... 213 (2004) 693
Lampin, E., see Colombeau, B. ... 216 (2004) 90
Lampin, E., F. Cristiano, Y. Lamrani and B. Colombeau, Coupling of atom-by-atom calculations of extended defects with B kick-out equations: application to the simulation of boron ted ... 216 (2004) 95
Lamrani, Y., see Cristiano, F. ... 216 (2004) 46
Lamrani, Y., see Colombeau, B. ... 216 (2004) 90
Lamrani, Y., see Lampin, E. ... 216 (2004) 95
Lamrani, Y., see Calvo, P. ... 216 (2004) 173
Lamrani, Y., F. Cristiano, B. Colombeau, E. Scheid, P. Calvo, H. Schäfer and A. Claverie, Direct evidence of the recombination of silicon interstitial atoms at the silicon surface ... 216 (2004) 281
Landgraf, S., see Kentsch, U. ... 216 (2004) 196
Landua, R., see Fujiwara, M.C. ... 214 (2004) 11
Landua, R., see Bonomi, G. ... 214 (2004) 17
Landua, R., see Maggiore, C. ... 214 (2004) 181
Lanfranchi, M., see Codino, A. ... 211 (2003) 107
Lang, M., see Müller, C. ... 212 (2003) 318
Lang, M., U.A. Glasmacher, B. Moine, R. Neumann and G.A. Wagner, Etch-pit morphology of tracks caused by swift heavy ions in natural dark mica ... 218 (2004) 466
Langus, I., see Šmit, Ž. ... 219–220 (2004) 35
Lartigue, J., see Martinez, T. ... 213 (2004) 584
Laskarakis, A., C. Gravalidis and S. Logothetidis, FTIR and Vis–FUV real time spectroscopic ellipsometry studies of polymer surface modifications during ion beam bombardment ... 216 (2004) 131
Lassen, J., see Rauth, C. ... 215 (2004) 268
Latimer, C.J., see Finetti, P. ... 215 (2004) 565

Lau, G.S., E.S. Tok, R. Liu, A.T.S. Wee and J. Zhang, Roughening behavior in Si/SiGe heterostructures under O_2^+ bombardment 215 (2004) 76
Lau, S.S., see Höchbauer, T. 216 (2004) 257
Lau, S.S., see Nastasi, M. 219–220 (2004) 604
Le Gall, Y., see Saudé, S. 216 (2004) 156
Leal, L.C., see Rivard, M.J. 213 (2004) 621
Leal-Castro, A., see Miranda, J. 219–220 (2004) 157
Lecesne, N., see Lehérissier, P. 211 (2003) 274
Lechanoine-Leluc, C., AMS, a particle spectrometer in space 214 (2004) 103
Lederer, S., see Winter, H. 212 (2003) 45
Lee, C.S., Y.C. Liu, Y.H. Chen and S. Lee, Angular distribution of sputtered particles induced by ion bombardment 219–220 (2004) 221
Lee, C.S., Y.C. Liu, Y.H. Chen, R. Wu, W.-H. Ip, T.S. Yih and S. Lee, Mass analysis of sputtered particles induced by Ar bombardment of two iced targets, H_2O and CO_2 ..... 219–220 (2004) 323
Lee, E., see Mainardi, E. 213 (2004) 182
Lee, H.-I., D.W. Moon, H.C. Shin, S.K. Oh and H.J. Kang, The surface transient effect in the Si sputtering yield by low energy O_2 and Ar ion bombardments 219–220 (2004) 959
Lee, J.-K., see Nastasi, M. 219–220 (2004) 604
Lee, J.K., T. Höchbauer, R.D. Averitt and M. Nastasi, Relationship between damage evolution and Si–H complexes formation in hydrogen implanted Si 219–220 (2004) 662
Lee, J.S., see Kim, H. 217 (2004) 429
Lee, K.H., see Wilson, H.F. 215 (2004) 99
Lee, P.S., see Mangelinck, D. 215 (2004) 495
Lee, S., see Dulloo, A.R. 213 (2004) 400
Lee, S., see Lee, C.S. 219–220 (2004) 221
Lee, S., see Lee, C.S. 219–220 (2004) 323
Lee, S.W., J.W. Hong, M.Y. Wye, J.H. Kim, H.J. Kang and Y.S. Lee, Surface modification and adhesion improvement of PTFE film by ion beam irradiation 219–220 (2004) 963
Lee, Y.S., see Lee, S.W. 219–220 (2004) 963
Lefkopoulos, G., see Stamatelatos, I.E. 213 (2004) 511
Legoupil, S., see Barouch, G. 213 (2004) 503
Lehérissier, P., C. Barué, C. Canet, M. Dubois, M. Dupuis, J.L. Flambard, G. Gaubert, P. Jardin, N. Lecesne, F. Lemagnen, R. Leroy and J.Y. Pacquet, Recycling effect of germanium on ECR ion source 211 (2003) 274
Lehmann, E.H., see van der Meer, K. 217 (2004) 202
Lei, M.K., see Zhu, X.P. 211 (2003) 69
Lemagnen, F., see Lehérissier, P. 211 (2003) 274
Lemaitre, S., see Roumié, M. 215 (2004) 196
Lempicki, A., see Nagarkar, V.V. 213 (2004) 250
Lennard, W.N., H. Xia and J.K. Kim, Revisiting the stopping powers of Si and SiO_2 for ^4He ions: 0.5–2.0 MeV 215 (2004) 297
Leole, M., see Cesareo, R. 213 (2004) 703
Leonardi, S., see Codegoni, D. 217 (2004) 65
Lepienski, C.M., see Baptista, D.L. 218 (2004) 61
Lepienski, C.M., see Foerster, C.E. 218 (2004) 375
Lerch, W., see Cristiano, F. 216 (2004) 46
Leroux, H., see Carrez, P. 211 (2003) 549
Leroy, R., see Lehérissier, P. 211 (2003) 274
Leung, K.-N., see English, G.A. 213 (2004) 410
Leung, K.-N., see Perry, D.L. 213 (2004) 527
Leupolt, B., see Strub, E. 219–220 (2004) 499
Levalois, M., see Codegoni, D. 217 (2004) 65
Levesque, F., see Tisserand, R. 215 (2004) 129
L'Hoir, A., see Amsel, G. 219–220 (2004) 1037
Li, L., see Jiang, W. 219–220 (2004) 642
Li, R., Y. Dai, X. Hu, H. Sheng and X. He, Molecular dynamics simulation of boron implanted into diamond (001) 2 × 1 reconstruction surface 211 (2003) 91
Li, S.-L., see Fu, G. 211 (2003) 346

Li, W.Z., see He, Y. ... 211 (2003) 358
Li, X., R. Henkelmann and F. Baumgärtner, Rapid determination of uranium and plutonium content in mixtures through measurement of the intensity–time curve of delayed neutrons ... 215 (2004) 246
Li, Y., see Jiang, B. ... 215 (2004) 413
Lian, J., L.M. Wang, R.G. Haire, K.B. Helean and R.C. Ewing, Ion beam irradiation in $La_2Zr_2O_7$–$Ce_2Zr_2O_7$ pyrochlore ... 218 (2004) 236
Liang, J.H., see Hsu, J.Y. ... 219–220 (2004) 251
Liang, J.H. and Y.J. Sang, Formation of shallow junctions through BGe molecular ion implantation and rapid thermal annealing ... 219–220 (2004) 778
Liang, J.H. and H.M. Han, Range parameters of B_n cluster ion implantation in silicon ... 219–220 (2004) 783
Liddle, J.A., see Schenkel, T. ... 219–220 (2004) 200
Lieb, K.P., see Gąsiorek, S. ... 216 (2004) 62
Lieb, K.P., see Sahoo, P.K. ... 216 (2004) 324
Lieb, K.P., see Gupta, R. ... 216 (2004) 350
Lietti, B., see Baccaro, S. ... 213 (2004) 666
Likhachev, V.P., see Deppman, A. ... 211 (2003) 15
Liliental-Weber, Z., see Maltez, R.L. ... 218 (2004) 444
Liljestrand, R.P., see Morgan, G.L. ... 211 (2003) 297
Lim, B.H., see Xie, D.Z. ... 211 (2003) 363
Lim, W.L., see Yu, K.M. ... 219–220 (2004) 636
Lima, F.R.A., see Vieira, J.W. ... 213 (2004) 654
Limagne, D., see Oliveira, C. ... 213 (2004) 172
Limbachiya, C.G., see Vinodkumar, M. ... 212 (2003) 63
Lin, L., see Lu, T. ... 218 (2004) 111
Lin, L.B., see Wang, Z.G. ... 211 (2003) 239
Lindelöf, D., see Fujiwara, M.C. ... 214 (2004) 11
Lindelöf, D., see Bonomi, G. ... 214 (2004) 17
Linder, H.-P., see van der Meer, K. ... 217 (2004) 202
Lindner, J.K.N., see Häberlen, M. ... 216 (2004) 36
Lindner, J.K.N., see O'Raifeartaigh, C. ... 217 (2004) 442
Lindner, S., see Strub, E. ... 219–220 (2004) 499
Lindsay, R., R.J. de Meijer, P.P. Maleka, R.T. Newman, T.G.K. Motlhabane and D. de Villiers, Monitoring the radon flux from gold-mine dumps by γ-ray mapping ... 213 (2004) 775
Lingertat, H., see Nagarkar, V.V. ... 213 (2004) 250
Linsmeier, Ch., see Schmid, K. ... 219–220 (2004) 947
Lippen, T. v., see Coelho, A.V.P. ... 218 (2004) 381
Lisitsyn, V.M., see Volchek, A.O. ... 211 (2003) 100
Litvinovich, G.V., see Cherenda, N.N. ... 211 (2003) 219
Litvinovich, G.V., see Cherenda, N.N. ... 216 (2004) 340
Liu, C., see Barradas, N.P. ... 217 (2004) 479
Liu, H.W., see Liu, J. ... 212 (2003) 303
Liu, J., see Sun, Y. ... 212 (2003) 211
Liu, J., M.D. Hou, C. Trautmann, R. Neumann, C. Müller, Z.G. Wang, Q.X. Zhang, Y.M. Sun, Y.F. Jin,H.W. Liu and H.J. Gao, STM and Raman spectroscopic study of graphite irradiated by heavy ions ... 212 (2003) 303
Liu, J., see Wang, X. ... 215 (2004) 278
Liu, J., see Sun, Y. ... 218 (2004) 318
Liu, J., see Wang, Z.G. ... 218 (2004) 472
Liu, J., see Shao, L. ... 219–220 (2004) 303
Liu, J., see Zhao, Z. ... 219–220 (2004) 804
Liu, J., see Shao, L. ... 219–220 (2004) 938
Liu, J.R., see Chen, H. ... 211 (2003) 1
Liu, L.J., see Wang, Z.G. ... 211 (2003) 239
Liu, R., see Lau, G.S. ... 215 (2004) 76
Liu, W., see Greife, U. ... 217 (2004) 1
Liu, X., see Jiang, B. ... 215 (2004) 413
Liu, X., see Yu, K.M. ... 219–220 (2004) 636
Liu, X.Y., see Peng, D.Q. ... 211 (2003) 55

Liu, X.Y., see Peng, D.Q. ... 215 (2004) 394
Liu, Y., see Alton, G.D. ... 211 (2003) 425
Liu, Y.C., see Lee, C.S. ... 219–220 (2004) 221
Liu, Y.C., see Lee, C.S. ... 219–220 (2004) 323
Ljubičić, A., see Krečak, Z. ... 213 (2004) 310
Llewellyn, D.J., see Ridgway, M.C. ... 218 (2004) 421
Lluch, J.L., see Ferrero, J.L. ... 213 (2004) 729
Lobanova, V.A., see Barashenkov, V.S. ... 217 (2004) 352
Loda, G., see Miller, R.B. ... 211 (2003) 562
Lodi Rizzini, E., see Fujiwara, M.C. ... 214 (2004) 11
Lodi Rizzini, E., see Bonomi, G. ... 214 (2004) 17
Lodi, E., see Bonifazzi, C. ... 213 (2004) 707
Lodi, E., see Bonifazzi, C. ... 213 (2004) 712
Logothetidis, S., see Laskarakis, A. ... 216 (2004) 131
Lohner, T., see Ichihara, S. ... 219–220 (2004) 584
Lohner, T., see Hayashi, K. ... 219–220 (2004) 589
Lohner, T., see Battistig, G. ... 219–220 (2004) 652
Lohstroh, A., see Simon, A. ... 219–220 (2004) 1022
Lomasov, V.N., see Kozlovski, V.V. ... 215 (2004) 385
Loo, R., see Mörschbächer, M.J. ... 219–220 (2004) 703
Lopes, J.A.M., see Fernandes, L.M.P. ... 213 (2004) 267
Lopes, J.M.J., F.C. Zawislak, P.F.P. Fichtner, M. Behar, L. Rebohle and W. Skorupa, Pre-irradiation memory effect on the photoluminescence intensity of Ge-implanted SiO_2 layers ... 218 (2004) 438
Lopes, R.T., see Silvani, M.I. ... 213 (2004) 294
Lopes, R.T., see Braz, D. ... 213 (2004) 498
Lopes, R.T., see Anjos, M.J. ... 213 (2004) 569
López, M., see Garrido, B. ... 216 (2004) 213
Lopez, R., see Feldman, L.C. ... 212 (2003) 1
Lorenz, M., see Spemann, D. ... 219–220 (2004) 693
Lorenz, M., see Spemann, D. ... 219–220 (2004) 891
Low, R., see Boudreault, G. ... 217 (2004) 177
Lowe, J., see Bassalleck, B. ... 214 (2004) 167
Lozykowski, H., see Ingram, D.C. ... 219–220 (2004) 699
Lu, J., see Kishimoto, N. ... 218 (2004) 416
Lu, J., see Takeda, Y. ... 219–220 (2004) 737
Lu, P., see Shapiro, M.H. ... 215 (2004) 326
Lu, Q., see Yang, B. ... 211 (2003) 577
Lu, Q.-M., see Wang, F.-X. ... 215 (2004) 389
Lu, T., L. Lin, X. Zu, S. Zhu and L. Wang, Influence of high-fluence neutron and/or proton irradiation on the optical properties and microstructure of rutile ... 218 (2004) 111
Lu, X., see Wang, X. ... 215 (2004) 278
Lu, Y., see Wielunski, L.S. ... 219–220 (2004) 708
Lubiński, P., see Trzcińska, A. ... 214 (2004) 157
Lucarelli, F., see Chiari, M. ... 219–220 (2004) 166
Lucca, D.A., C.J. Wetteland, A. Misra, M.J. Klopfstein, M. Nastasi, C.J. Maggiore and J.R. Tesmer, Assessment of subsurface damage in polished II–VI semiconductors by ion channeling ... 219–220 (2004) 611
Lucia, U. and G. Maino, Analytical developments in the Wong–Fung–Tam–Gao radiation model of thermal diffusivity ... 213 (2004) 139
Ludewigt, B., see English, G.A. ... 213 (2004) 410
Ludewigt, B., see Perry, D.L. ... 213 (2004) 527
Ludwig, N., see Bonifazzi, C. ... 213 (2004) 707
Lugo-Licona, M. and J. Miranda, L-Shell X-ray production cross-sections by impact of 5.0 to 7.5 MeV $^{10}B^{2}$ ions on selected rare earth elements ... 219–220 (2004) 289
Lugstein, A., B. Basnar and E. Bertagnolli, Study of the chemical and morphological evolution of the GaAs surface after high fluence focused ion beam exposure ... 217 (2004) 402
Lulli, G., E. Albertazzi, M. Bianconi and S. Balboni, Computer simulation of ion channeling in Si containing structurally relaxed point defects ... 211 (2003) 50

Lulli, G., see Bianconi, M. 219–220 (2004) 232
Lunardon, M., G. Nebbia, S. Pesente, G.M. Romagnoli, G. Viesti, M. Barbui, M. Cinausero, E. Fioretto, G. Prete, G. D'Erasmo, M. Palomba and A. Pantaleo, A large area scanning system using 14 MeV neutron tagged beams for non-destructive assays 213 (2004) 544
Lüpke, G., see Feldman, L.C. 212 (2003) 1
Lupu, R., A. Nat and A. Ene, Determination of gold in Romanian auriferous alluvial sands and rocks by 14 MeV neutron activation analysis 217 (2004) 123
Luta, A.M., I.I. Kravchenko, F.E. Dunnam, H.A. Van Rinsvelt and C.P. Meyer, Proton induced X-ray emission analysis of aberrant cowrie shells 215 (2004) 223
Luysberg, M., see Mörschbächer, M.J. 219–220 (2004) 703
Lyons, A.P., see Muzi, L. 213 (2004) 491
Lyutovich, K., see Hofer, C. 216 (2004) 178

Ma, C.-J., Y. Inoguchi, M. Kasahara, S. Tohno and T. Sakai, Micro-PIXE analysis of reference standards for the quantitative analysis of trace elements in individual raindrops 215 (2004) 501
Ma, C.-J., S. Tohno, M. Kasahara and S. Hayakawa, Determination of the chemical properties of residues retained in individual cloud droplets by XRF microprobe at SPring-8 ..... 217 (2004) 657
Ma, H.-J., see Fu, G. 211 (2003) 346
Ma, H.-J., see Wang, F.-X. 215 (2004) 389
Ma, H.-J., see Ding, F.-R. 217 (2004) 572
Ma, K.B., see Shao, L. 219–220 (2004) 303
Ma, T.C., see Zhu, X.P. 211 (2003) 69
Ma, X., see Sun, Q. 217 (2004) 300
MacArt, M., see Miller, R.B. 211 (2003) 562
Macchiarelli, R., see Rossi, M. 213 (2004) 747
Macedo, Z.S., R.S. da Silva, M.E.G. Valerio and A.C. Hernandes, Radiation detectors based on laser sintered $Bi_4Ge_3O_{12}$ ceramics 218 (2004) 153
Macedo, Z.S., see de Magalhães, C.M.S. 218 (2004) 277
Mackova, A., see Wägner, T. 219–220 (2004) 875
Macri, M., see Fujiwara, M.C. 214 (2004) 11
Macrí, M., see Bonomi, G. 214 (2004) 17
Maden, C., M. Döbeli, B. Hofmann and M. Suter, In-situ Ir concentration measurements in KT-boundary sediments by accelerator secondary ion mass spectrometry 219–220 (2004) 176
Mäder, M., see Grötzschel, R. 219–220 (2004) 344
Madsen, N., see Fujiwara, M.C. 214 (2004) 11
Madsen, N., see Bonomi, G. 214 (2004) 17
Maekawa, Y., see Zhu, Z. 217 (2004) 449
Maffei, P., see Codino, A. 211 (2003) 107
Maggiore, C., N. Agazaryan, N. Bassler, E. Blackmore, G. Beyer, J.J. DeMarco, M. Doser, C.R. Gruhn, M.H. Holzscheiter, T. Ichioka, K.S. Iwamoto, H.V. Knudsen, R. Landua, W.H. McBride, S.P. Møller, J. Petersen, J.B. Smathers, L.D. Skarsgard, T.D. Solberg, U.I. Uggerhøj, H.R. Withers and B.G. Wouters, Biological effectiveness of antiproton annihilation 214 (2004) 181
Maggiore, C.J., see Lucca, D.A. 219–220 (2004) 611
Mahapatra, D.P., see Mohapatra, S. 217 (2004) 578
Mahata, K., see Tripathi, R. 211 (2003) 138
Maina, S., see Braunstein, G. 219–220 (2004) 358
Mainardi, C., see Groppi, F. 213 (2004) 373
Mainardi, C.H.S., see Bonardi, M.L. 213 (2004) 348
Mainardi, E., F. Premuda and E. Lee, Comparison and physical interpretation of MCNP and TART neutron and γ Monte Carlo shielding calculations for a heavy-ion ICF system 213 (2004) 182
Maino, G., see Canetta, E. 213 (2004) 71
Maino, G., see Lucia, U. 213 (2004) 139
Maino, G., see Bonifazzi, C. 213 (2004) 707
Maino, G., see Bonifazzi, C. 213 (2004) 712
Mair, G.L.R., Ch. Akhmadaliev, L. Bischoff, Th. Ganetsos and C.J. Aidinis, Electrohydrodynamic instabilities on a liquid anode displaying an anomalous surface tension coefficient 211 (2003) 556

Mair, G.L.R., Ch. Akhmadaliev, L. Bischoff, Th. Ganetsos, C.J. Aidinis and E.A. Anagnostakis, The effect of electrode geometry on the stability of a liquid metal ion emitter 217 (2004) 347
Maiti, M., M. Nandy, S.N. Roy and P.K. Sarkar, An empirical expression to calculate thick target neutron yield distributions from proton induced reactions 215 (2004) 317
Major, J., see Srivastava, S.K. 219–220 (2004) 364
Makita, H., see Kaneko, T. 219–220 (2004) 236
Malaguti, F., see Drozdov, V.A. 212 (2003) 501
Malambu, E., see van der Meer, K. 217 (2004) 202
Maleka, P.P., see Lindsay, R. 213 (2004) 775
Malherbe, J.B., Bombardment-induced ripple topography on GaAs and InP 212 (2003) 258
Mallikarjuna, M.L., S.B. Appaji Gowda, K.E. Ganesh, R. Gowda and T.K. Umesh, A method to determine the K-shell photoeffect cross sections of some rare earth elements 215 (2004) 4
Malmqvist, K., see Auzelyte, V. 219–220 (2004) 485
Malmqvist, K., see Kristiansson, P. 219–220 (2004) 561
Malmqvist, K., see Pallon, J. 219–220 (2004) 988
Malmqvist, K.G., see Wegdén, M. 219–220 (2004) 67
Malmqvist, K.G., see Shariff, A. 219–220 (2004) 110
Malmqvist, K.G., see Shariff, A. 219–220 (2004) 494
Malmqvist, K.G., see Wegdén, M. 219–220 (2004) 550
Maltez, R.L., E. Ribeiro, A.A. Bernussi, L. Amaral, M. Behar, P. Specht and Z. Liliental-Weber, TEM and PL characterization of erbium and oxygen co-implanted LT-GaAs:Be 218 (2004) 444
Malzer, W., see Kanngießer, B. 211 (2003) 259
Mammeri, S., see Ammi, H. 213 (2004) 60
Mamoon, A., M.A. Gomma and M. Sohsah, Laboratory scale studies on mitigation of high ^{222}Rn concentrations in air and water 213 (2004) 766
Manam, J. and S.K. Sharma, Thermally stimulated luminescence studies of undoped and doped $K_2B_4O_7$ compounds 217 (2004) 314
Mandal, A.C., S. Santra, D. Mitra, M. Sarkar and D. Bhattacharya, Bremsstrahlung excited standardless EDXRF analysis 217 (2004) 104
Manderlier, N. and T. Delvigne, Quality control by autoradiography for the thin layer activation technique 213 (2004) 523
Mandò, P.A., see Grassi, N. 219–220 (2004) 48
Mandò, P.A., see Massi, M. 219–220 (2004) 722
Mangelinck, D., P.S. Lee, T. Osipowicz and K.L. Pey, Analysis of laterally non-uniform layers and sub-micron devices by Rutherford backscattering spectrometry 215 (2004) 495
Manohar, S.B., see Tripathi, R. 211 (2003) 138
Manservisi, S., see Molinari, V.G. 213 (2004) 75
Manservisi, S., V. Molinari and F. Rocchi, Bremsstrahlung emission spectrum for electron microprobe analysis 213 (2004) 134
Mansour, M., see En Naciri, A. 216 (2004) 167
Mantl, S., see Mörschbächer, M.J. 219–220 (2004) 703
Marabelli, M., see Cesareo, R. 213 (2004) 703
Marcazzan, G., see Chiari, M. 219–220 (2004) 166
Marchesini, R., see Gambarini, G. 213 (2004) 321
Marchesotti, M., see Fujiwara, M.C. 214 (2004) 11
Marcon, J., see Ihaddadene-Lenglet, M. 216 (2004) 297
Marcon, J., see Ihaddadene-Le Coq, L. 216 (2004) 303
Mardor, I., see van der Meer, K. 217 (2004) 202
Marghitu, O., see Marghitu, S. 217 (2004) 498
Marghitu, S., O. Marghitu, C. Oproiu, G. Marin and Fl. Scarlat, Diagnosis and dynamics in a simple low energy medium current electron beam channel 217 (2004) 498
Mariani, A., C. Passard, F. Jallu and H. Toubon, The help of simulation codes in designing waste assaysystems using neutron measurement methods: Application to the alpha low level waste assay system PROMETHEE 6 ..... 211 (2003) 389
Mariani, M., see Gambarini, G. 213 (2004) 321
Marie, P., see Codegoni, D. 217 (2004) 65
Marin, G., see Marghitu, S. 217 (2004) 498
Markin, S.N., see Draxler, M. 219–220 (2004) 578

Marks, N.A., see Wilson, H.F. ... 215 (2004) 99
Markwitz, A., see Barry, B. ... 217 (2004) 521
Markwitz, A., V.J. Kennedy, S. Johnson, W.J. Trompetter, M. Rudolphi and H. Baumann, SiC nanoboulders on silicon – a nuclear reaction analysis study of low energy ^{13}C implanted and subsequently electron beam annealed (1 0 0) silicon ... 217 (2004) 583
Marques, A.C., A.R. Ramos, E. Alves and R.M. Almeida, Study of silica–titania films doped with Er and Ag by RBS and ERDA ... 219–220 (2004) 923
Marques, C., E. Alves, R.C. da Silva, M.R. Silva and A.L. Stepanov, Optical changes induced by high fluence implantation of Au ions on sapphire ... 218 (2004) 139
Marques, C., see Alves, E. ... 218 (2004) 222
Marques, C., see McHargue, C.J. ... 218 (2004) 227
Marques, C., see Alves, E. ... 219–220 (2004) 933
Marques, J.G., see Oliveira, C. ... 213 (2004) 172
Marqués, L.A., see Pelaz, L. ... 216 (2004) 41
Marqués, L.A., L. Pelaz, M. Aboy and J. Barbolla, The laser annealing induced phase transition in silicon: a molecular dynamics study ... 216 (2004) 57
Marqués, L.A., see Aboy, M. ... 216 (2004) 100
Marrone, S., see Milazzo, P.M. ... 213 (2004) 36
Marrone, S., see Terlizzi, R. ... 213 (2004) 210
Marrone, S., A new method for signal acquisition and analysis in high radiation environment ... 213 (2004) 246
Marseguerra, M., E. Padovani, S.A. Pozzi and M. Da Ros, Phenomenological simulation of detector response for safeguards experiments ... 213 (2004) 289
Mártil, I., see Bohne, W. ... 217 (2004) 237
Martin, F., see Ganem, J.-J. ... 219–220 (2004) 856
Martín Sánchez, A., see Vargas, M.J. ... 213 (2004) 129
Martín Sánchez, A., see Rubio Montero, M.P. ... 213 (2004) 429
Martínez, E., see Rivera, T. ... 213 (2004) 325
Martínez, T., J. Lartigue, P. Avila-Perez, G. Zarazua, L. Cabrera, S. Tejeda and A. Ramirez, Determination of lead in blood by TXRF and its correlation to environmental lead ... 213 (2004) 584
Martínez-Duart, J.M., see Kreissig, U. ... 219–220 (2004) 908
Martín-Palma, R.J., see Kreissig, U. ... 219–220 (2004) 908
Martinho, E., see Gonçalves, I.F. ... 213 (2004) 186
Martinsson, B.G., see Shariff, A. ... 219–220 (2004) 110
Marucco, A., Low-energy ED-XRF spectrometry application in gold assaying ... 213 (2004) 486
Maruyama, T., see Ikezawa, K. ... 215 (2004) 449
Maruyama, T., see Muto, S. ... 218 (2004) 117
Marziani, M., see Tartari, A. ... 213 (2004) 206
Mascarenhas, A., see Wei, P. ... 219–220 (2004) 671
Mashkova, E.S., see Bogomolova, L.D. ... 212 (2003) 164
Maslov, N.I., see Blazhevich, S.V. ... 212 (2003) 88
Masmoudi, K., see Ihaddadene-Le Coq, L. ... 216 (2004) 303
Massi, M., see Zucchiatti, A. ... 219–220 (2004) 20
Massi, M., L. Giuntini, M.E. Fedi, C. Arilli, N. Grassi, P.A. Mandò, A. Migliori and E. Focardi, Use of micro-PIXE analysis for the identification of contaminants in the metal deposition on a CMS pitch adapter ... 219–220 (2004) 722
Massini, M., see Colle, R. ... 213 (2004) 65
Mastinu, P.F., see Milazzo, P.M. ... 213 (2004) 36
Mateus, R., A.P. Jesus, J. Cruz and J.P. Ribeiro, Measurement of the inelastic scattering of protons by ^{23}Na in the energy range 1.25–2.40 MeV ... 219–220 (2004) 307
Mateus, R., A.P. Jesus and J.P. Ribeiro, Quantitative analysis of light elements in thick samples by PIGE ... 219–220 (2004) 519
Mathew, S., see Rundhe, M. ... 212 (2003) 314
Mathiot, D., see Cayrel, F. ... 216 (2004) 291
Matias, V., see Öhl, G. ... 211 (2003) 265
Matias, V., see Barradas, N.P. ... 219–220 (2004) 742
Matsuda, S., see Ohyama, H. ... 219–220 (2004) 718
Matsuo, J., see Kimura, K. ... 211 (2003) 206
Matsuo, J., see Aoki, T. ... 216 (2004) 185

Matsuo, J., see Seki, T. ... 216 (2004) 191
Matsuo, J., see Toyoda, N. ... 216 (2004) 379
Matsuo, J., C. Okubo, T. Seki, T. Aoki, N. Toyoda and I. Yamada, A new secondary ion mass spectrometry (SIMS) system with high-intensity cluster ion source ... 219–220 (2004) 463
Matsuo, Y., see Ishida, Y. ... 219–220 (2004) 468
Matsuoka, M., see Mittani, J.C.R. ... 218 (2004) 255
Matsuzawa, M., see Morishita, T. ... 214 (2004) 144
Mattei, G., see de Julián Fernández, C. ... 216 (2004) 245
Mattei, G., G. Battaglin, V. Bello, E. Cattaruzza, C. De Julian, G. De Marchi, C. Maurizio, P. Mazzoldi, M. Parolin and C. Sada, Compositional evolution of Pd-based nanoclusters under thermal annealing in ion implanted SiO_2 ... 218 (2004) 433
Mattera, L., see Pasquali, L. ... 212 (2003) 274
Matteson, S., see Nigam, M. ... 219–220 (2004) 273
Mattingly, J.K., see Mihalczo, J.T. ... 213 (2004) 378
Mattioli, M., see Pani, R. ... 213 (2004) 197
Mattoni, C.E.H., see Schleier-Smith, M.H. ... 215 (2004) 531
Mattoni, C.E.H., see Dzhosyuk, S.N. ... 217 (2004) 457
Matweev, L.V., Theoretical modeling of atom acceleration in the tracks of swift charged particles in irradiated insulators ... 217 (2004) 18
Mauri, A., see Labanti, C. ... 213 (2004) 260
Maurizio, C., see de Julián Fernández, C. ... 216 (2004) 245
Maurizio, C., Multielemental nanoclusters formed by ion implantation in dielectrics ... 218 (2004) 396
Maurizio, C., see Mattei, G. ... 218 (2004) 433
Maury, S., see Belochitskii, P. ... 214 (2004) 176
Mavromatos, N.E., Theoretical and phenomenological aspects of CPT violation ... 214 (2004) 1
Maxwell, J.A., see Denker, A. ... 219–220 (2004) 130
Maxwell, J.A., see Papp, T. ... 219–220 (2004) 503
Mayer, J.W., see Nastasi, M. ... 219–220 (2004) 604
Mayer, J.W., see Alford, T.L. ... 219–220 (2004) 897
Mayer, J.W., see Thompson, D.C. ... 219–220 (2004) 968
Mayer, M., see Barradas, N.P. ... 217 (2004) 479
Mayer, S., T. Otto and N. Golnik, Determination of the photon-contribution of a ^{238}Pu–Be source ... 213 (2004) 214
Mayer, S., see Golnik, N. ... 213 (2004) 650
Mayo, C.W., see Metwally, W.A. ... 213 (2004) 394
Mayr, S.G., Y. Ashkenazy and R.S. Averback, Evolution of thin-film morphologies in metals during ion beam bombardment ... 212 (2003) 246
Mazzaro, I., see Poletti, M.E. ... 213 (2004) 595
Mazzei, R.O., G. García Bermúdez, D. Tadey and C. Rocco, Grafting of poly(vinylidene fluoride) foils induced by swift heavy ions ... 218 (2004) 313
Mazzoldi, P., see de Julián Fernández, C. ... 216 (2004) 245
Mazzoldi, P., see Mattei, G. ... 218 (2004) 433
McBride, W.H., see Maggiore, C. ... 214 (2004) 181
McCormick, A.W., see Rehn, L.E. ... 212 (2003) 326
McCready, D.E., see Zhang, Y. ... 218 (2004) 89
McDaniel, F.D., see Vizkelethy, G. ... 219–220 (2004) vii
McDaniel, F.D., see Nigam, M. ... 219–220 (2004) 273
McDaniel, F.D., see Rossi, P. ... 219–220 (2004) 327
McDaniel, F.D., see Mitchell, L.J. ... 219–220 (2004) 455
McHargue, C., see Alves, E. ... 218 (2004) 222
McHargue, C.J., Radiation effects in insulators: past, present, future ... 218 (2004) 1
McHargue, C.J., L.C. Ononye, E. Alves, C. Marques and L.F. Allard, The effect of temperature on the structure of iron-implanted sapphire ... 218 (2004) 227
Mchedlishvili, B.V., see Vilensky, A.I. ... 218 (2004) 294
McIlwain, M.E., see Dulloo, A.R. ... 213 (2004) 400
McKenzie, D.R., see Wilson, H.F. ... 215 (2004) 99
McKinsey, D.N., see Schleier-Smith, M.H. ... 215 (2004) 531

McKinsey, D.N., see Dzhosyuk, S.N. ... 217 (2004) 457
McLachlan, D.S., see Amolo, G.O. ... 218 (2004) 244
McNeill, F., see Nie, H. ... 213 (2004) 579
McNeill, F.E., see O'Meara, J.M. ... 213 (2004) 560
McNeill, F.E., see Popovic, M. ... 213 (2004) 599
McNeill, F.E., see Fleming, D.E.B. ... 217 (2004) 471
Measday, D.F. and E.C.Y. Ho, Experience with a prototype of the Test Ban Treaty monitoring system for airborne radioactivity ... 213 (2004) 464
Médart, P., see Gailly, P. ... 216 (2004) 206
Medina, N.H., see Ribas, R.V. ... 211 (2003) 453
Meguro, T., see Ueda, Y. ... 215 (2004) 419
Mehta, D., see Singh, P. ... 211 (2003) 33
Mehta, G.K., Accelerator based materials science research in India ... 212 (2003) 8
Mehta, S.K., see Nageswara Rao, S.V.S. ... 212 (2003) 473
Meier, A., see Bassalleck, B. ... 214 (2004) 167
Meinguer, J., see Miranda, J. ... 219–220 (2004) 157
Melikhov, V., see Kulagin, E. ... 215 (2004) 181
Mel'nik, N.N., see Vilensky, A.I. ... 218 (2004) 294
Melnikov, L.A., see Ryabinina, M.V. ... 214 (2004) 35
Melo, A.P., M.E.G. Valerio and L.V.E. Caldas, Thermoluminescent characteristics of mineral samples acquired as jade ... 218 (2004) 198
Men, Y., see Gnaser, H. ... 219–220 (2004) 880
Menapace, E., see Bonardi, M.L. ... 213 (2004) 348
Menapace, E., see Groppi, F. ... 213 (2004) 373
Meneghini, C., see Gupta, A. ... 212 (2003) 458
Mengoni, A., see Milazzo, P.M. ... 213 (2004) 36
Menyhárd, M., see Süle, P. ... 211 (2003) 524
Menzel, F., T. Reinert, J. Vogt and T. Butz, Investigations of percutaneous uptake of ultrafine TiO_2 particles at the high energy ion nanoprobe LIPSION ... 219–220 (2004) 82
Mergia, K., see Stamatelatos, I.E. ... 213 (2004) 511
Merrill, F.E., see Morgan, G.L. ... 211 (2003) 297
Mertens, A., see Winter, H. ... 212 (2003) 45
Mertens, A., see Wethekam, S. ... 212 (2003) 308
Mesa, J., see Deppman, A. ... 211 (2003) 15
Meshkov, I.N., I. Seleznev, A. Sidorin, A. Smirnov, G. Trubnikov and S. Yakovenko, Positron storage ring for positronium and antihydrogen generation in flight: The LEPTA project ... 214 (2004) 186
Mesjasz-Przybyłowicz, J., see Przybyłowicz, W.J. ... 219–220 (2004) 57
Mesli, A. and A. Nylandsted Larsen, Irradiation induced defects in $Si_{1-x}Ge_x$: The effect of alloying ... 211 (2003) 80
Metwally, W.A., see Gardner, R.P. ... 213 (2004) 357
Metwally, W.A., R.P. Gardner and C.W. Mayo, Elemental PGNAA analysis using gamma–gamma coincidence counting with the library least-squares approach ... 213 (2004) 394
Metwally, W.A., see Guo, W. ... 213 (2004) 574
Metzger, A., see Bassalleck, B. ... 214 (2004) 167
Meunier, J.-P., see Girard, S. ... 215 (2004) 187
Meyer, C., see Bassalleck, B. ... 214 (2004) 167
Meyer, C.P., see Luta, A.M. ... 215 (2004) 223
Meyer, K.A., C.M. Comrie and C. Theron, Real-time ERD analysis of hydrogen retention in silicon during ramped thermal anneal ... 219–220 (2004) 751
Meyer, W., see Bassalleck, B. ... 214 (2004) 167
Mezzetti, F., see Tartari, A. ... 213 (2004) 607
Mezzetti, F., see Benzi, V. ... 213 (2004) 611
Midorikawa, K., see Ueda, Y. ... 215 (2004) 419
Mieskes, H.D., see Toulemonde, M. ... 212 (2003) 346
Migliori, A., see Zucchiatti, A. ... 219–220 (2004) 20
Migliori, A., see Grassi, N. ... 219–220 (2004) 48
Migliori, A., see Massi, M. ... 219–220 (2004) 722

Migula, P., see Przybyłowicz, W.J. 219–220 (2004) 57
Mihalczo, J.T., J.K. Mattingly, J.S. Neal and J.A. Mullens, NMIS plus gamma spectroscopy for attributes of HEU, PU and HE detection 213 (2004) 378
Mikerov, V.I., see Barmakov, Ju.N. 213 (2004) 241
Milat, O., see Dubček, P. 215 (2004) 122
Milazzo, M., Radiation applications in art and archaeometry X-ray fluorescence applications to archaeometry. Possibility of obtaining non-destructive quantitative analyses 213 (2004) 683
Milazzo, M., see Bonifazzi, C. 213 (2004) 707
Milazzo, P.M., G. Aerts, E. Berthoumieux, N. Bustreo, D. Cano-Ott, P. Cennini, N. Colonna, C. Domingo, M. Embid, L. Ferrant, E. Gonzales, F. Gunsing, M. Heil, F. Käppeler, S. Marrone, P.F. Mastinu, A. Mengoni, C. Moreau, J. Pancin, T. Papaevangelou, C. Paradela, P. Pavlopoulos, R. Plag, R. Reifarth, C. Stephan, L. Tassan-Got, G. Tagliente, J.L. Tain, R. Terlizzi and V. Vlachoudis, Measurements of neutron capture cross-sections for ADS-related studies 213 (2004) 36
Millan, A., see Enguita, O. 219–220 (2004) 53
Mille, P., see Pelletier, H. 216 (2004) 269
Mille, P., see Pelletier, H. 216 (2004) 275
Miller, R.B., G. Loda, R.C. Miller, R. Smith, D. Shimer, C. Seidt, M. MacArt, H. Mohr, G. Robison, P. Creely, J. Bautista, T. Oliva, L.M. Young and D. DuBois, A high-power electron linear accelerator for food irradiation applications 211 (2003) 562
Miller, R.C., see Miller, R.B. 211 (2003) 562
Miller, S.R., see Nagarkar, V.V. 213 (2004) 250
Miller, S.R., see Nagarkar, V.V. 213 (2004) 476
Min, B., see Kim, H. 217 (2004) 429
Miozza, M., see Codino, A. 211 (2003) 107
Mirabella, S., D. De Salvador, E. Napolitani, F. Giannazzo, G. Impellizzeri, G. Bisognin, A. Terrasi, V. Raineri, M. Berti, A. Carnera, A.V. Drigo and F. Priolo, Self-interstitial diffusion and clustering with impurities in crystalline silicon 216 (2004) 80
Mirabella, S., see De Salvador, D. 216 (2004) 286
Miranda, J., V.A. Barrera, A.A. Espinosa, O.S. Galindo, A. Núñez-Orosco, R.C. Montesinos, A. Leal-Castro and J. Meinguer, PIXE analysis of atmospheric aerosols from three sites in Mexico City 219–220 (2004) 157
Miranda, J., see Lugo-Licona, M. 219–220 (2004) 289
Miranda, R., see Grachev, S.Y. 219–220 (2004) 593
Mireles, A., C. Solís, E. Andrade, M. Lagunas-Solar, C. Piña and R.G. Flocchini, Heavy metal accumulation in plants and soil irrigated with wastewater from Mexico city 219–220 (2004) 187
Miritello, M., see Irrera, A. 216 (2004) 222
Misdaq, M.A., see Erramli, H. 211 (2003) 155
Mishra, N.C., see Mohanty, T. 212 (2003) 179
Mishustin, I.N., New types of nuclear systems containing antibaryons 214 (2004) 70
Misra, A., see Höchbauer, T. 216 (2004) 257
Misra, A., see Nastasi, M. 219–220 (2004) 604
Misra, A., see Lucca, D.A. 219–220 (2004) 611
Misra, D.S., see Ghosh, S. 219–220 (2004) 973
Mitamura, T., see Terasawa, M. 212 (2003) 436
Mitan, M.M., see Alford, T.L. 219–220 (2004) 897
Mitchell, L.J., G.V. Ravi Prasad, P. Pelicon, E.B. Smith and F.D. McDaniel, Depth profiles of H, C, O, Al and Si implants in a GaN substrate using trace element accelerator mass spectrometry 219–220 (2004) 455
Mitomo, H., see Wach, R.A. 211 (2003) 533
Mitra, D., see Mandal, A.C. 217 (2004) 104
Mitsuishi, S., see Ikezawa, K. 215 (2004) 449
Mittal, V.K., see Tripathi, A. 212 (2003) 402
Mittani, J.C.R., S. Watanbe, M. Matsuoka, D.L. Baptista and F.C. Zawislak, Doping by diffusion and implantation of V, Cr, Mn and Fe ions in uncoloured beryl crystals 218 (2004) 255
Mittner, P., see Chiminello, F. 219–220 (2004) 171
Miyanaga, T., see Voronina, E. 215 (2004) 525
Miyatake, H., see Jeong, S.C. 212 (2003) 483
Mkrtchyan, A.H., see Grigoryan, L.Sh. 212 (2003) 51
Modena, S., see Vomiero, A. 211 (2003) 401

Modica, R., see Codegoni, D. 217 (2004) 65
Mohan, S., see Balaji, S. 217 (2004) 423
Mohanti, T., see Kamalapurkar, B.A. 211 (2003) 383
Mohanti, T., see Bhole, K.G. 212 (2003) 525
Mohanty, A.K., S.K. Das, V. Vijayan, D. Sengupta and S.K. Saha, Geochemical studies of monazite sands of Chhatrapur beach placer deposit of Orissa, India by PIXE and EDXRF method 211 (2003) 145
Mohanty, T., N.C. Mishra, F. Singh, U. Tiwari and D. Kanjilal, Swift heavy ion irradiation induced modifications in sapphire 212 (2003) 179
Mohapatra, S., B. Joseph, D.P. Mahapatra and P. Chakraborty, High efficiency gettering of Au in Si(1 1 1) by MeV C implantation 217 (2004) 578
Mohr, H., see Miller, R.B. 211 (2003) 562
Mohr, J., see Nazmov, V. 217 (2004) 409
Moine, B., see Lang, M. 218 (2004) 466
Molenkamp, L.W., see Nowicki, L. 219–220 (2004) 666
Molinari, V. and F. Teodori, Monte Carlo simulation of charged particle diffusion through an ionized gas: contributions of simultaneous multiple collisions 213 (2004) 112
Molinari, V., see Manservisi, S. 213 (2004) 134
Molinari, V.G., S. Manservisi, F. Rocchi and F. Teodori, Modelling of radiation transport 213 (2004) 75
Molinari, V.G., see Fernandez, J.E. 213 (2004) 105
Mollá, J. and A. Ibarra, Radiation effects on the dielectric properties of fused silica 218 (2004) 189
Møller, S.P., see Maggiore, C. 214 (2004) 181
Molnár, G.L., see Belgya, T. 213 (2004) 29
Molnár, G.L., Zs. Révay and T. Belgya, Accurate absolute intensities for the ^{35}Cl(n,γ) reaction gamma-ray standard 213 (2004) 32
Molnár, G.L., see Révay, Zs. 213 (2004) 385
Molnár, G.L., Zs. Révay and T. Belgya, Non-destructive interrogation of uranium using PGAA 213 (2004) 389
Molnár, G.L., see Ember, P.P. 213 (2004) 406
Molnar, G., see English, G.A. 213 (2004) 410
Molnar, G.L., see Perry, D.L. 213 (2004) 527
Monsanglant-Louvet, C., see Ottini-Hustache, S. 213 (2004) 279
Montagna, P., see Fujiwara, M.C. 214 (2004) 11
Montagna, P., see Bonomi, G. 214 (2004) 17
Montani, L., see Pani, R. 213 (2004) 197
Monteiro, T., see Pinto, J.V. 218 (2004) 128
Montesinos, R.C., see Miranda, J. 219–220 (2004) 157
Moon, D.W., see Lee, H.-I. 219–220 (2004) 959
Moore, J.F., see Veryovkin, I.V. 219–220 (2004) 473
Moosburger, M., see Bassalleck, B. 214 (2004) 167
Morante, J.R., see Garrido, B. 216 (2004) 213
Moreau, C., see Milazzo, P.M. 213 (2004) 36
Moreira, E.C., see Sias, U.S. 218 (2004) 405
Moreira, S., see Anjos, M.J. 213 (2004) 569
Moreno, J.A., see Garrido, B. 216 (2004) 213
Moretto, Ph., see Barbotteau, Y. 215 (2004) 214
Morgan, G.L., K.R. Alrick, A. Saunders, F.C. Cverna, N.S.P. King, F.E. Merrill, L.S. Waters, A.L. Hanson, G.A. Greene, R.P. Liljestrand, R.T. Thompson and E.A. Henry, Total cross sections for the production of ^{22}Na and ^{24}Na in proton-induced reactions on ^{27}Al from 0.40 to 22.4 GeV 211 (2003) 297
Mori, K., see Hailey, C.J. 214 (2004) 122
Morigi, M.P., see Bettuzzi, M. 213 (2004) 227
Morigi, M.P., see Bettuzzi, M. 213 (2004) 300
Morigi, M.P., see Casali, F. 213 (2004) 616
Morilla, Y., see Battistig, G. 219–220 (2004) 652
Morishita, T., T. Sasajima, S. Watanabe and M. Matsuzawa, Double-ionization of He by fast proton and antiproton impact 214 (2004) 144
Moriyoshi, C., see Endo, I. 217 (2004) 666
Morlat, T., see Oliveira, C. 213 (2004) 172
Morosanu, C., see Chipara, M. 211 (2003) 117

Morrissey, J., see Moss, R.L. ... 213 (2004) 633
Morrone, A., see Kaschny, J.R. ... 218 (2004) 308
Mörschbächer, M.J., D.L. da Silva, P.F.P. Fichtner, E. Oliviero, M. Behar, F.C. Zawislak, B. Holländer, M. Luysberg, S. Mantl, R. Loo and M. Caymax, Microstructure evolution effects of helium redistribution in as-implanted silicon and $Si_{0.8}Ge_{0.2}$/Si heterostructues ... 219–220 (2004) 703
Mörschbächer, M.J., see da Silva, D.L. ... 219–220 (2004) 713
Morukov, V.G., see Bogolubov, Ye.P. ... 213 (2004) 439
Moschini, G., see Balzan, S. ... 219–220 (2004) 72
Moscovitch, M., see Emfietzoglou, D. ... 212 (2003) 101
Moss, R.L., F. Stecher-Rasmussen, J. Rassow, J. Morrissey, W. Voorbraak, W. Verbakel, K. Appelman, G.G. Daquino, L. Muzi, A. Wittig, E. Bourhis-Martin and W. Sauerwein, Procedural and practical applications of radiation measurements for BNCT at the HFR Petten ... 213 (2004) 633
Mosteller, R.D., see Forster, R.A. ... 213 (2004) 82
Motlhabane, T.G.K., see Lindsay, R. ... 213 (2004) 775
Motta, L.M.G., see Braz, D. ... 213 (2004) 498
Mous, D.J.W., see Calcagnile, L. ... 215 (2004) 561
Mous, D.J.W., J. Visser, A. Gottdang and R.G. Haitsma, A new range of high-current Tandetron™ accelerator systems with terminal voltages of 1–6 MV ... 219–220 (2004) 480
Mous, D.J.W., J. Visser and R.G. Haitsma, A nanosecond pulsing system for MeV light ions using a 2 MV Tandetron™ ... 219–220 (2004) 490
Moutia, Z., see El Khoukhi, T. ... 213 (2004) 770
Muhammad, K., see Wongsuban, B. ... 211 (2003) 244
Muhl, S., see Andrade, E. ... 219–220 (2004) 763
Mullens, J.A., see Mihalczo, J.T. ... 213 (2004) 378
Müller, C., see Liu, J. ... 212 (2003) 303
Müller, C., K.-O. Voss, M. Lang and R. Neumann, Correction of systematic errors in scanning force microscopy images with application to ion track micrographs ... 212 (2003) 318
Muller, D., see Chemam, R. ... 216 (2004) 116
Muller, D., see Pelletier, H. ... 216 (2004) 269
Muller, D., see Pelletier, H. ... 216 (2004) 275
Muller, D., see Cerruti, C. ... 216 (2004) 329
Muller, D., see D'Orléans, C. ... 216 (2004) 372
Müller, G.A., see Gupta, R. ... 216 (2004) 350
Müller, M., see Soares, M.R.F. ... 218 (2004) 300
Munck af Rosenschöld, P., see Wegdén, M. ... 219–220 (2004) 67
Muntele, C., see Nageswara Rao, S.V.S. ... 212 (2003) 442
Muntele, C.I., see Innegraeve, O. ... 219–220 (2004) 191
Muntele, C.I., I.C. Muntele, R.L. Zimmerman and D. Ila, Nitrogen beam RBS for concentration uniformity measurements of SiO_2:Au thin layer co-depositions ... 219–220 (2004) 759
Muntele, I.C., see Innegraeve, O. ... 219–220 (2004) 191
Muntele, I.C., see Muntele, C.I. ... 219–220 (2004) 759
Murakami, T., see Azuma, T. ... 212 (2003) 397
Muralidharan, R., see Nageswara Rao, S.V.S. ... 212 (2003) 442
Muralidharan, R., see Nageswara Rao, S.V.S. ... 212 (2003) 473
Murao, S., see Clemente, E. ... 219–220 (2004) 161
Muresan, O., see Craciun, L. ... 213 (2004) 515
Murillo, G., see Andrade, E. ... 219–220 (2004) 763
Murphy, J.J., M. Patel, A.R. Skinner, I.M. Horn, S.J. Powell and P.F. Smith, Volatile evolution from polymer materials induced by irradiation with He^{++} ions and comparative pyrolysis experiments ... 215 (2004) 423
Murray, S.N., see Alton, G.D. ... 211 (2003) 425
Musilek, L., see Čechák, T. ... 213 (2004) 735
Musket, R.G. and T.E. Felter, Extending RBS analysis to very fragile, nanometer-thick foils ... 219–220 (2004) 379
Musso, A., see Arnaldi, R. ... 213 (2004) 284
Muthuvelu, P., R.P. Hugtenburg, D.A. Bradley and C.P. Winlove, X-ray fluorescence and the study of microcirculation ... 213 (2004) 548
Muto, S., H. Sugiyama, T. Kimura, T. Tanabe and T. Maruyama, EXELFS/ELNES study of electron irradiation-induced oxidation of α-SiC ... 218 (2004) 117

Muto, S., see Yoshida, T. ... 218 (2004) 202
Muzi, L., A.P. Lyons and E. Pouliquen, Use of X-ray computed tomography for the estimation of parameters relevant to the modeling of acoustic scattering from the seafloor ... 213 (2004) 491
Muzi, L., see Moss, R.L. ... 213 (2004) 633
Muzi, L., see Cerullo, N. ... 213 (2004) 637
Muzzioli, V., see Bonifazzi, C. ... 213 (2004) 707
Muzzioli, V., see Bonifazzi, C. ... 213 (2004) 712

Nachab, A., A. Nourreddine, M. Benjelloun, S. Kihel, D. Oster and A. Pape, Uranium analysis of sediments by γ-ray spectrometry with corrections for self-absorption ... 215 (2004) 228
Nad, K., see Obhođaš, J. ... 213 (2004) 445
Nagabhushana, H., B.N. Lakshminarasappa, F. Singh and D.K. Avasthi, Photoluminescence studies in swift heavy ion bombarded mullite ... 211 (2003) 545
Nagamiya, S., J-PARC project ... 214 (2004) 216
Nagaraja, H.S., see Tripathi, A. ... 212 (2003) 402
Nagarkar, V.V., S.R. Miller, S.V. Tipnis, A. Lempicki, C. Brecher and H. Lingertat, A new large area scintillator screen for X-ray imaging ... 213 (2004) 250
Nagarkar, V.V., S.V. Tipnis, V. Gaysinskiy, S.R. Miller and I. Shestakova, High-speed digital radiography using structured CsI screens ... 213 (2004) 476
Nagasawa, N., see Wach, R.A. ... 211 (2003) 533
Nagata, S., see Tsuchiya, B. ... 212 (2003) 426
Nageswara Rao, S.V.S., A.P. Pathak, A.M. Siddiqui, D.K. Avasthi, C. Muntele, D. Ila, B.N. Dev, R. Muralidharan, F. Eichhorn, R. Groetzschel and A. Turos, Ion beam characterization and engineering of strain in semiconductor multi-layers ... 212 (2003) 442
Nageswara Rao, S.V.S., A.K. Rajam, A.M. Siddiqui, D.K. Avasthi, T. Srinivasan, U. Tiwari, S.K. Mehta, R. Muralidharan, R.K. Jain and A.P. Pathak, Ion beam induced modification of lattice strains in $In_{0.1}Ga_{0.9}As/GaAs$ system ... 212 (2003) 473
Nageswara Rao, S.V.S., A. Kothari, G.B.V.S. Lakshmi, S.A. Khan, A. Tripathi, A.M. Siddiqui, A.P. Pathak and D.K. Avasthi, Development of a large area two-dimensional position sensitive $\Delta E - E$ detector telescope for material analysis ... 212 (2003) 545
Nagy, S., see Szíki, G.Á. ... 219–220 (2004) 508
Nair, G.P., K.S. Chandrasekaran, B.M. Arora, A.M. Narsale, M.M. Belekar and K.V. Sukhatankar, Reaction kinetics of annealing of high energy implantation by XRD ... 212 (2003) 535
Nair, K.G.M., see Amirthapandian, S. ... 212 (2003) 140
Nair, K.G.M., see Santhakumar, K. ... 212 (2003) 197
Nair, K.G.M., see Santhakumar, K. ... 212 (2003) 381
Nair, K.G.M., see Santhakumar, K. ... 212 (2003) 521
Nakabayashi, M., H. Ohyama, N. Hanano, T. Kamiya, T. Hirao, K. Takakura, E. Simoen and C. Claeys, A study on radiation damage of IGBTs by 2-MeV electrons at different irradiation temperatures ... 219–220 (2004) 676
Nakabayashi, M., see Ohyama, H. ... 219–220 (2004) 718
Nakagawa, T., see Takahashi, S. ... 217 (2004) 435
Nakagawa, T., see Ichihara, S. ... 219–220 (2004) 584
Nakajima, K., see Kimura, K. ... 211 (2003) 206
Nakajima, K., see Kimura, K. ... 219–220 (2004) 351
Nakajima, K., see Sakai, W. ... 219–220 (2004) 369
Nakajima, K., Y. Okura, M. Suzuki and K. Kimura, Charge-state distribution of 400 keV He ions scattered from solid surfaces ... 219–220 (2004) 514
Nakamura, N., K. Hirao and Y. Yamauchi, Surface analytical studies of ion-implanted uni-directionally aligned silicon nitride for tribological applications ... 217 (2004) 51
Nakamura, T., see Agosteo, S. ... 217 (2004) 221
Nakano, S., see Wang, Q. ... 217 (2004) 598
Nakazaki, S., see Igarashi, A. ... 214 (2004) 135
Nakonieczny, M., see Przybyłowicz, W.J. ... 219–220 (2004) 57
Nandedkar, R.V., see Amirthapandian, S. ... 212 (2003) 140
Nandy, M., see Maiti, M. ... 215 (2004) 317
Nanetti, L., see Bonifazzi, C. ... 213 (2004) 231
Nanetti, L., see Bonifazzi, C. ... 213 (2004) 707

Nanetti, L., see Bonifazzi, C. ... 213 (2004) 712
Nannarone, S., see Pasquali, L. ... 212 (2003) 274
Napolitani, E., see Mirabella, S. ... 216 (2004) 80
Napolitani, E., see De Salvador, D. ... 216 (2004) 286
Napolitani, E., see Romano, L. ... 219–220 (2004) 727
Naqvi, A.A. and M.A. Garwan, Validity test of design calculations of a PGNAA setup ... 215 (2004) 283
Naramoto, H., see Vacik, J. ... 219–220 (2004) 862
Naramoto, H., see Vacik, J. ... 219–220 (2004) 867
Narayanasamy, A., see Amirthapandian, S. ... 212 (2003) 140
Narits, A.A., see Hathiramani, D. ... 212 (2003) 67
Narsale, A.M., see Nair, G.P. ... 212 (2003) 535
Narsale, A.M., see Wanchoo, S.K. ... 212 (2003) 539
Narumi, K., see Vacik, J. ... 219–220 (2004) 862
Narumi, K., see Vacik, J. ... 219–220 (2004) 867
Nasonov, N.N., see Blazhevich, S.V. ... 212 (2003) 88
Nastasi, M., see Höchbauer, T. ... 216 (2004) 257
Nastasi, M., T. Höchbauer, R.D. Verda, A. Misra, J.-K. Lee, J.W. Mayer and S.S. Lau, Using ion beam analysis in determining the mechanisms of cleavage in hydrogen ion implanted Si ... 219–220 (2004) 604
Nastasi, M., see Lucca, D.A. ... 219–220 (2004) 611
Nastasi, M., see Lee, J.K. ... 219–220 (2004) 662
Nat, A., see Lupu, R. ... 217 (2004) 123
Natter, F.A., P. Grabmayr, T. Hehl, R.O. Owens and S. Wunderlich, Monte Carlo simulation and analytical calculation of coherent bremsstrahlung and its polarisation ... 211 (2003) 465
Nava, S., see Chiari, M. ... 219–220 (2004) 166
Nayak, P.K., D. Das, V. Vijayan, P. Singh and V. Chakravortty, PIXE and EDXRF studies on banded iron formations from eastern India ... 215 (2004) 252
Naydenov, S.V., V.D. Ryzhikov and C.F. Smith, Direct reconstruction of the effective atomic number of materials by the method of multi-energy radiography ... 215 (2004) 552
Nazarov, V.I., see Bogolubov, Ye.P. ... 213 (2004) 439
Nazmov, V., L. Shabel'nikov, F.-J. Pantenburg, J. Mohr, E. Reznikova, A. Snigirev, I. Snigireva, S. Kouznetsov and M. DiMichiel, Kinoform X-ray lens creation in polymer materials by deep X-ray lithography ... 217 (2004) 409
Neal, J.S., see Mihalczo, J.T. ... 213 (2004) 378
Nebbia, G., see Obhodaš, J. ... 213 (2004) 445
Nebbia, G., see Fioretto, E. ... 213 (2004) 457
Nebbia, G., see Lunardon, M. ... 213 (2004) 544
Necmeddin Yazici, A., The influence of heating rate on the TL response of the main glow peaks 5 and 4 + 5 of sensitized TLD-100 treated by two different annealing protocols ... 215 (2004) 174
Negoita, F., see Pantelica, D. ... 219–220 (2004) 373
Negreanu, C., J. Stepanek, O.P. Joneja and R. Chawla, Validation of new electron and positron data libraries ... 213 (2004) 55
Neil, T., see Zhao, Z. ... 219–220 (2004) 804
Nejedly, Z., J.L. Campbell and S. Gama, An Excel utility for the rapid characterization of "funny filters" in PIXE analysis ... 219–220 (2004) 136
Nejedly, Z., see Papp, T. ... 219–220 (2004) 503
Nelea, V., see Pelletier, H. ... 216 (2004) 269
Nelea, V., see Pelletier, H. ... 216 (2004) 275
Nesterov, E.V., see Ryabchikov, A.I. ... 213 (2004) 364
Neumaier, P., see Dollinger, G. ... 219–220 (2004) 333
Neumann, R., see Liu, J. ... 212 (2003) 303
Neumann, R., see Müller, C. ... 212 (2003) 318
Neumann, R., see Lang, M. ... 218 (2004) 466
Neumann, R., see El-Said, A.S. ... 218 (2004) 492
Newman, R.T., see Lindsay, R. ... 213 (2004) 775
Ng, C.-H., see Zhao, Z. ... 219–220 (2004) 804
Ng, F.M.F., see Nikezic, D. ... 217 (2004) 637
Ngoi, B.K.A., see Xie, D.Z. ... 211 (2003) 363
Nicolet, M.-A., see Eisen, F.H. ... 211 (2003) 408

Nie, H., D. Chettle, I. Stronach, M. Arnold, S. Huang, F. McNeill and J. O'Meara, A study of MDL improvement for the in vivo measurement of lead in bone ... 213 (2004) 579
Nie, R., see Fu, G. ... 211 (2003) 346
Nie, R., see Wang, F.-X. ... 215 (2004) 389
Nie, R., see Ding, F.-R. ... 217 (2004) 572
Nigam, M., J.L. Duggan, M. El Bouanani, C. Yang, G.V. Ravi Prasad, E.D. Sosa, S. Matteson and F.D. McDaniel, Stopping power of thin GaAs films for Si and P ions ... 219–220 (2004) 273
Nigro, M., see Bisello, D. ... 219–220 (2004) 1000
Nikezic, D., F.M.F. Ng and K.N. Yu, Sensitivity of LR 115 detectors in hemispherical chambers for radon measurements ... 217 (2004) 637
Nilsson, C., see Wegdén, M. ... 219–220 (2004) 67
Nilsson, C., see Shariff, A. ... 219–220 (2004) 110
Nilsson, C., see Auzelyte, V. ... 219–220 (2004) 485
Nilsson, C., see Shariff, A. ... 219–220 (2004) 494
Nilsson, C., see Wegdén, M. ... 219–220 (2004) 550
Nilsson, C., see Kristiansson, P. ... 219–220 (2004) 561
Nilsson, C., see Pallon, J. ... 219–220 (2004) 988
Nilsson, J., see Schenkel, T. ... 219–220 (2004) 200
Nishio, K., see Jeong, S.C. ... 212 (2003) 483
Nitta, M., see Ichihara, S. ... 219–220 (2004) 584
Niu, H., see Hsu, J.Y. ... 219–220 (2004) 251
Noakes, T.C.Q., see Werner, M. ... 216 (2004) 67
Noda, K., see Shevelko, V.P. ... 211 (2003) 460
Nomoto, K., see Bera, S. ... 212 (2003) 530
Nordlund, K., see Süle, P. ... 211 (2003) 524
Nordlund, K., see Peltola, J. ... 212 (2003) 118
Nordlund, K., see Tarus, J. ... 212 (2003) 281
Nordlund, K., see Salonen, E. ... 212 (2003) 286
Nordlund, K., see Peltola, J. ... 216 (2004) 308
Nordlund, K., see Krasheninnikov, A.V. ... 216 (2004) 355
Nordlund, K., see Peltola, J. ... 217 (2004) 25
Nordlund, K., Atomistic simulation of radiation effects in carbon-based materials and nitrides ... 218 (2004) 9
Nordlund, K., see Arstila, K. ... 219–220 (2004) 1058
Normand, P., E. Kapetanakis, P. Dimitrakis, D. Skarlatos, K. Beltsios, D. Tsoukalas, C. Bonafos, G. Ben Assayag, N. Cherkashin, A. Claverie, J.A. Van Den Berg, V. Soncini, A. Agarwal, M. Ameen, M. Perego and M. Fanciulli, Nanocrystals manufacturing by ultra-low-energy ion-beam-synthesis for non-volatile memory applications ... 216 (2004) 228
Notomi, M., see Takahashi, S. ... 217 (2004) 435
Nourreddine, A., see Nachab, A. ... 215 (2004) 228
Novelli, E., see Balzan, S. ... 219–220 (2004) 72
Novikov, N.V., Ya.A. Teplova, Yu.A. Fainberg and V.A. Kurnaev, Theoretical description of fast proton scattering from steel surface under grazing incidence ... 212 (2003) 96
Nowicki, L., see Gentils, A. ... 218 (2004) 457
Nowicki, L., see Garrido, F. ... 219–220 (2004) 196
Nowicki, L., see Turos, A. ... 219–220 (2004) 618
Nowicki, L., see Jagielski, J. ... 219–220 (2004) 626
Nowicki, L., A.M. Abdul-Kader, P. Bach, G. Schmidt, L.W. Molenkamp, A. Turos and G. Karczewski, Structural characterization of half-metallic Heusler compound NiMnSb ... 219–220 (2004) 666
Nozaki, M. (for the BESS-Polar Collaboration), BESS-Polar ... 214 (2004) 110
Nsouli, B., see Roumié, M. ... 215 (2004) 196
Nsouli, B., T. Darwish, J.-P. Thomas, K. Zahraman and M. Roumié, Ni, Cu, Zn and Pb background values determination in representative Lebanese soil using the thick target PIXE technique ... 219–220 (2004) 181
Nsouli, B., see Roumié, M. ... 219–220 (2004) 389
Nsouli, B., see Roumié, M. ... 219–220 (2004) 871
Núñez-Orozco, A., see Miranda, J. ... 219–220 (2004) 157
Nurmela, A., K. Henttinen, T. Suni, A. Tolkki and I. Suni, Ion beam studies of hydrogen implanted Si wafers ... 219–220 (2004) 747
Nylandsted Larsen, A., see Mesli, A. ... 211 (2003) 80

Obara, M., see Ueda, Y. ... 215 (2004) 419
Obhodaš, J., D. Sudac, K. Nad, V. Valković, G. Nebbia and G. Viesti, The soil moisture and its relevance to the landmine detection by neutron backscattering technique ... 213 (2004) 445
Ochsner, R., see Švorčík, V. ... 215 (2004) 366
O'Connor, D.J., see Weijers, T.D.M. ... 215 (2004) 35
O'Donnell, K.P., see Barradas, N.P. ... 217 (2004) 479
Oelert, W., see Tan, J.N. ... 214 (2004) 22
Oelert, W., see Bassalleck, B. ... 214 (2004) 167
Oeyen, J., see van der Meer, K. ... 217 (2004) 202
Ogale, S.B., see Kulkarni, V.N. ... 219–220 (2004) 902
Ogawa, H., I. Katayama, Y. Haruyama, M. Saito, K. Yoshida, M. Tosaki and I. Sugai, Energy losses and straggling of 10 MeV/amu $C^{5+,4+}$ ions in charge state non-equilibrium region ... 212 (2003) 27
Ogiso, H., see Wang, Q. ... 217 (2004) 598
Ogundare, F.O., see Balogun, F.A. ... 213 (2004) 333
Oh, S.K., see Lee, H.-I. ... 219–220 (2004) 959
Ohashi, N., see Sakaguchi, I. ... 217 (2004) 417
Ohl, G., V. Matias, A. Vieira and N.P. Barradas, Artificial neural network analysis of RBS data with roughness: Application to $Ti_{0.4}Al_{0.6}N$/Mo multilayers ... 211 (2003) 265
Ohnishi, T., see Endo, I. ... 217 (2004) 666
Ohsaki, A., see Igarashi, A. ... 214 (2004) 135
Ohsawa, D., see Tosaki, M. ... 219–220 (2004) 241
Ohta, K., see Ichihara, S. ... 219–220 (2004) 584
Ohyama, H., see Nakabayashi, M. ... 219–220 (2004) 676
Ohyama, H., K. Takakura, M. Nakabayashi, T. Hirao, S. Onoda, T. Kamiya, E. Simoen, C. Claeys, S. Kuboyama, K. Oka and S. Matsuda, Radiation damages of InGaAs photodiodes by high-temperature electron irradiation ... 219–220 (2004) 718
Ojo, J.O., see Balogun, F.A. ... 213 (2004) 333
Oka, K., see Ohyama, H. ... 219–220 (2004) 718
Okada, M., see Takahara, S. ... 218 (2004) 133
Okayasu, S., see Jeong, S.C. ... 212 (2003) 483
Okita, T., see Tanemura, M. ... 215 (2004) 137
Oktyabrsky, S., see Huang, M.B. ... 211 (2003) 505
Okubo, C., see Matsuo, J. ... 219–220 (2004) 463
Okubo, N., see Kishimoto, N. ... 218 (2004) 416
Okubo, N., see Plaksin, O. ... 219–220 (2004) 294
Okubo, N., N. Kishimoto and Y. Takeda, Dynamics of co-irradiation effects of high-energy ions and photons on nanoparticle precipitation in silica glass ... 219–220 (2004) 830
Okuno, E., see Sawakuchi, G.O. ... 218 (2004) 217
Okura, Y., see Nakajima, K. ... 219–220 (2004) 514
Okuyama, F., see Chini, T.K. ... 212 (2003) 477
Olabanji, S.O., see Balzan, S. ... 219–220 (2004) 72
Olin, A., see Greife, U. ... 217 (2004) 1
Oliva, A., see Riccardi, P. ... 212 (2003) 339
Oliva, T., see Miller, R.B. ... 211 (2003) 562
Oliveira, C., F. Giuliani, T.A. Girard, J.G. Marques, J. Salgado, J.I. Collar, T. Morlat, D. Limagne and G. Waysand, MCNP optimization of filtered neutron beams for calibration of the SIMPLE detector ... 213 (2004) 172
Oliveira, C., H. Yoriyaz, M. Carmo Oliveira and L.M. Ferreira, Monte Carlo simulation for dose distribution calculations in a CT-based phantom at the Portuguese gamma irradiation facility ... 213 (2004) 662
Oliveira, J.R.B., see Ribas, R.V. ... 211 (2003) 453
Oliviero, E., M.F. Beaufort, F. Pailloux and J.F. Barbot, Damage formation in high energy helium implanted 4H-SiC ... 218 (2004) 391
Oliviero, E., see Mörschbächer, M.J. ... 219–220 (2004) 703
Oliviero, E., see da Silva, D.L. ... 219–220 (2004) 713
Ollier, N., B. Boizot, B. Reynard, D. Ghaleb and G. Petite, β irradiation in borosilicate glasses: the role of the mixed alkali effect ... 218 (2004) 176
Olsen, M., see Andersen, H.H. ... 212 (2003) 56
O'Meara, J., see Nie, H. ... 213 (2004) 579

O'Meara, J.M., J. Börjesson, D.R. Chettle and F.E. McNeill, Optimization of an in vivo X-ray fluorescence mercury measurement system 213 (2004) 560
Ong, A.S., see Xie, D.Z. 211 (2003) 363
Onoda, S., see Ohyama, H. 219–220 (2004) 718
Onoda, S., see Laird, J.S. 219–220 (2004) 1015
Ononye, L.C., see Alves, E. 218 (2004) 222
Ononye, L.C., see McHargue, C.J. 218 (2004) 227
Oota, Y., see Kimura, K. 211 (2003) 206
Oota, Y., see Kimura, K. 219–220 (2004) 351
Opfermann, Th., see Schrempel, F. 218 (2004) 209
Opitz-Coutureau, J., see Denker, A. 213 (2004) 677
Opitz-Coutureau, J., see Denker, A. 219–220 (2004) 130
Oppedisano, C., see Arnaldi, R. 213 (2004) 284
Oproiu, C., see Marghitu, S. 217 (2004) 498
O'Raifeartaigh, C., R.C. Barklie and J.K.N. Lindner, EPR study of defects produced by MeV Ag ion implantation into silicon 217 (2004) 442
Orberger, B., see Gallien, J.-P. 217 (2004) 113
Osipowitcz, T., see Mangelinck, D. 215 (2004) 495
Oster, D., see Nachab, A. 215 (2004) 228
Otieno-Alego, V., see Creagh, D.C. 213 (2004) 670
Oto, M., see Kajihara, K. 218 (2004) 323
Otranto, S., G. Gasaneo and C.R. Garibotti, Energy and cusp-conditions study for the He isoelectronic sequence 217 (2004) 12
Ottewell, D., see Greife, U. 217 (2004) 1
Ottini-Hustache, S., C. Monsanglant-Louvet, S. Haan, V. Dmitrenko, V. Grachev and S. Ulin, HPXe ionization chambers for γ spectrometry at room temperature 213 (2004) 279
Otto, T., see Mayer, S. 213 (2004) 214
Ouerdane, Y., see Girard, S. 215 (2004) 187
Ovsyannikov, V.P., see Kentsch, U. 216 (2004) 196
Owens, R.O., see Natter, F.A. 211 (2003) 465
Oxley, P., see Tan, J.N. 214 (2004) 22
Oxorn, K., see Schiettekatte, F. 219–220 (2004) 125

Pacheco, A.M.G., see do Carmo Freitas, M. 219–220 (2004) 153
Pacifici, D., see Irrera, A. 216 (2004) 222
Pacquet, J.Y., see Lehérissier, P. 211 (2003) 274
Padmanabhan, K.R., Microbeam channeling studies of epitaxial titanate films 219–220 (2004) 656
Padmanabhan, K.R., Ion beam analysis of electrochromic and thermochromic oxide films 219–220 (2004) 942
Padovani, E., see Marseguerra, M. 213 (2004) 289
Paganini, M.C., see Costa, L. 215 (2004) 471
Pagura, C., see Tolstogouzov, A. 217 (2004) 246
Pai, S.P., see Wanchoo, S.K. 212 (2003) 539
Pailloux, F., see Oliviero, E. 218 (2004) 391
Palihawadana, P., see Ariyasinghe, W.M. 217 (2004) 389
Palitsin, V.V., see Belykh, S.F. 219–220 (2004) 278
Pallon, J., see Wegdén, M. 219–220 (2004) 67
Pallon, J., see Shariff, A. 219–220 (2004) 110
Pallon, J., see Auzelyte, V. 219–220 (2004) 485
Pallon, J., see Shariff, A. 219–220 (2004) 494
Pallon, J., see Wegdén, M. 219–220 (2004) 550
Pallon, J., see Kristiansson, P. 219–220 (2004) 561
Pallon, J., V. Auzelyte, M. Elfman, M. Garmer, P. Kristiansson, K. Malmqvist, C. Nilsson, A. Shariff and M. Wegdén, An off-axis STIM procedure for precise mass determination and imaging 219–220 (2004) 988
Pallone, A., J. Demaree and J. Adams, Application of nondestructive ion beam analysis to measure variations in the elemental composition of armor materials 219–220 (2004) 755
Palomba, M., see Lunardon, M. 213 (2004) 544

Paltrinieri, E., see Bettuzzi, M. ... 213 (2004) 227
Paltrinieri, E., see Bettuzzi, M. ... 213 (2004) 300
Paltrinieri, E., see Casali, F. ... 213 (2004) 616
Pan, B.H., see Zhang, B. ... 219–220 (2004) 26
Pan, F., see Zhao, B. ... 211 (2003) 339
Pancin, J., see Milazzo, P.M. ... 213 (2004) 36
Pandey, A.C., see Tripathi, A. ... 212 (2003) 402
Pandey, A.K., see Tripathi, R. ... 211 (2003) 138
Pani, R., R. Pellegrini, M.N. Cinti, M. Mattioli, C. Trotta, L. Montani, G. Iurlaro, G. Trotta, L. D'Addio, S. Ridolfi, G. De Vincentis and I.N. Weinberg, Recent advances and future perspectives of position sensitive PMT ... 213 (2004) 197
Pani, R., see Bonifazzi, C. ... 213 (2004) 231
Panigrahi, B.K., see Amirthapandian, S. ... 212 (2003) 140
Pantaleo, A., see Lunardon, M. ... 213 (2004) 544
Pantano, D., see Bisello, D. ... 219–220 (2004) 1000
Pantelica, D., L. Thomé, S.E. Enescu, F. Negoita, P. Ionescu, I. Stefan and A. Gentils, Ion-beam characterization of He implanted into nuclear matrices ... 219–220 (2004) 373
Pantenburg, F.-J., see Nazmov, V. ... 217 (2004) 409
Papaevangelou, T., see Milazzo, P.M. ... 213 (2004) 36
Papaleo, R.M., see Fink, D. ... 218 (2004) 355
Pape, A., see Nachab, A. ... 215 (2004) 228
Paperetti, L., see Chiari, M. ... 219–220 (2004) 166
Papirek, T., see Tačev, T. ... 213 (2004) 626
Papp, A., see Papp, T. ... 219–220 (2004) 503
Papp, T., J.A. Maxwell, A. Papp, Z. Nejedly and J.L. Campbell, On the role of the signal processing electronics in X-ray analytical measurements ... 219–220 (2004) 503
Paradela, C., see Milazzo, P.M. ... 213 (2004) 36
Paradis, A., see Schiettekatte, F. ... 219–220 (2004) 430
Parilis, E., see Ghose, D. ... 212 (2003) 420
Parise, D., see Brunetti, G. ... 213 (2004) 414
Parizotto, R. and H. Boudinov, Irradiation effects of proton bombarded poly-Si/SiO_2/Si structure ... 218 (2004) 362
Park, C.H., I.S. Jeong, H.S. Bae, T.G. Kim and S. Im, n-ZnO/p-Si photodiodes fully isolated by B^+ ion-implantation ... 216 (2004) 127
Park, D., see Sakaguchi, I. ... 217 (2004) 417
Park, K., see Kim, H. ... 217 (2004) 429
Park, M.-S., see Wang, Z. ... 211 (2003) 251
Park, S.J., see Schenkel, T. ... 219–220 (2004) 200
Parolin, M., see Mattei, G. ... 218 (2004) 433
Pasava, J., see Gallien, J.-P. ... 217 (2004) 113
Paschke, K., see Bassalleck, B. ... 214 (2004) 167
Pascual-Izarra, C., M. Bianconi, N.P. Barradas, A. Climent-Font, G. García, J. Gonzalo and C.N. Afonso, Continuous stopping power curves of Al_2O_3 for 0.2–2.5 MeV He ions ... 219–220 (2004) 268
Pasquali, L., M.C. Sapet, E.M. Staicu-Casagrande, P. Cortona, V.A. Esaulov, S. Nannarone, M. Canepa, S. Terreni and L. Mattera, Ag(1 0 0) surface density of states probed by metastable deexcitation spectroscopy: A comparison between experiment and theory ... 212 (2003) 274
Pasquet, B., see Desgranges, L. ... 215 (2004) 545
Passard, C., see Mariani, A. ... 211 (2003) 389
Passi, P., see Balzan, S. ... 219–220 (2004) 72
Pastuovic, Z., see Wegdén, M. ... 219–220 (2004) 550
Pászti, F., see Climent-Font, A. ... 219–220 (2004) 400
Patau, J.P., see Cobut, V. ... 215 (2004) 57
Patel, M., see Murphy, J.J. ... 215 (2004) 423
Patel, S., see Shao, L. ... 219–220 (2004) 303
Paterson, G.D., see Wielunski, L.S. ... 215 (2004) 262
Pathak, A., see Emfietzoglou, D. ... 212 (2003) 101
Pathak, A.P., Editorial ... 212 (2003) vii
Pathak, A.P., see Nageswara Rao, S.V.S. ... 212 (2003) 442

Pathak, A.P., see Nageswara Rao, S.V.S. 212 (2003) 473
Pathak, A.P., see Nageswara Rao, S.V.S. 212 (2003) 545
Patrício, R.N., see Barradas, N.P. 219–220 (2004) 105
Pattarasumunt, A., see Chankow, N. 213 (2004) 426
Paul, D.M., see Zhang, Y. 218 (2004) 89
Paul, H., A note on the density effect in the stopping power for positive ions 217 (2004) 7
Paul, S., see Cristiano, F. 216 (2004) 46
Pauly, N., A. Dubus and M. Rösler, Electron emission induced by hydrogen atoms and protons incident on aluminium: effect of the projectile charge state 212 (2003) 386
Pauly, N., A. Dubus and M. Rösler, Influence of charge changing processes on the forward to backward electron emission yield ratio for light ions impinging on thin metallic foils 212 (2003) 391
Paviotti de Corcuera, R., see Takács, S. 211 (2003) 169
Pavlopoulos, P., see Milazzo, P.M. 213 (2004) 36
Pázsit, I., see Glazov, L.G. 215 (2004) 509
Pegg, D.J., see Sandström, J. 217 (2004) 513
Pelaz, L., L.A. Marqués, M. Aboy and J. Barbolla, Atomistic modeling of ion beam induced amorphization in silicon 216 (2004) 41
Pelaz, L., see Marqués, L.A. 216 (2004) 57
Pelaz, L., see Aboy, M. 216 (2004) 100
Pelicon, P., see Budnar, M. 219–220 (2004) 41
Pelicon, P., see Mitchell, I.J. 219–220 (2004) 455
Pellegrini, R., see Pani, R. 213 (2004) 197
Pellegrini, R., see Bonifazzi, C. 213 (2004) 231
Pellegrino, P., see Garrido, B. 216 (2004) 213
Pellegrino, S., L. Beck and Ph. Trouslard, Differential cross-sections for nuclear reactions $^{14}N(d,p_5)^{15}N$, $^{14}N(d,p_0)^{15}N$, $^{14}N(d,\alpha_0)^{12}C$ and $^{14}N(d,\alpha_1)^{12}C$ 219–220 (2004) 140
Pellegrino, S., see Beck, L. 219–220 (2004) 394
Pelletier, H., V. Nelea, P. Mille and D. Muller, Mechanical properties of pulsed laser-deposited hydroxyapatite thin film implanted at high energy with N^+ and Ar^+ ions. Part I: nanoindentation with spherical tipped indenter 216 (2004) 269
Pelletier, H., V. Nelea, P. Mille and D. Muller, Mechanical properties of pulsed laser-deposited hydroxyapatite thin films implanted at high energy with N^+ and Ar^+ ions. Part II: nano-scratch tests with spherical tipped indenter 216 (2004) 275
Pellin, M.J., see Veryovkin, I.V. 219–220 (2004) 473
Pellin, M.J., see Veryovkin, I.V. 219–220 (2004) 1051
Peltola, J., K. Nordlund and J. Keinonen, Explicit phase shift factor stopping model for multi-component targets 212 (2003) 118
Peltola, J. and K. Nordlund, Ion beam induced coherent displacement in Al on Au system 216 (2004) 308
Peltola, J., K. Nordlund and J. Keinonen, Molecular dynamics study on stopping powers of channeled He and Li ions in Si 217 (2004) 25
Peng, D.Q., X.D. Bai, X.W. Chen, Q.G. Zhou, X.Y. Liu and P.Y. Deng, Comparison of aqueous corrosion behavior of zirconium and zircaloy-4 implanted with molybdenum 211 (2003) 55
Peng, D.Q., see Chen, X.W. 211 (2003) 512
Peng, D.Q., X.D. Bai, X.W. Chen, Q.G. Zhou, X.Y. Liu and R.H. Yu, Effect of self-ion bombardment on the corrosion behavior of zirconium 215 (2004) 394
Peng, X.B., see Zhang, B. 219–220 (2004) 26
Peng, Y., see Horvat, V. 211 (2003) 495
Perdikakis, G., see Kokkoris, M. 219–220 (2004) 226
Perego, M., see Skarlatos, D. 216 (2004) 75
Perego, M., see Normand, P. 216 (2004) 228
Pereira, E., see Barradas, N.P. 217 (2004) 479
Pereira, J., see Ferrero, J.L. 213 (2004) 729
Pereira, S., see Barradas, N.P. 217 (2004) 479
Pérez, C.A., see Anjos, M.J. 213 (2004) 569
Pérez, C.A., see Barrea, R.A. 215 (2004) 308
Pérez-Rodríguez, A., see Garrido, B. 216 (2004) 213
Perillo, E., see Auricchio, N. 213 (2004) 272

Perina, V., see Wágner, T. ... 219–220 (2004) 875
Perry, D.L., see English, G.A. ... 213 (2004) 410
Perry, D.L., G.A. English, R.B. Firestone, K.-N. Leung, J. Reijonen, B. Ludewigt, G. Garabedian, G.L. Molnar and Zs. Revay, The use of prompt gamma activation analysis (PGAA) for the analyses and characterization of materials: Photochromic materials ... 213 (2004) 527
Persaud, A., see Schenkel, T. ... 219–220 (2004) 200
Pervov, N.V., see Vilensky, A.I. ... 218 (2004) 294
Pesente, S., see Lunardon, M. ... 213 (2004) 544
Pesenti, G.C., H. Boudinov, C. Carmody and C. Jagadish, Variable temperature Hall-effect measurements in ion bombarded InP ... 218 (2004) 386
Pešić, Z., see Sulik, B. ... 212 (2003) 32
Peters, K., Charmed hybrids in proton antiproton annihilation ... 214 (2004) 60
Peters, M.I., see Valdez, J.A. ... 218 (2004) 103
Petersen, J., see Maggiore, C. ... 214 (2004) 181
Petite, G., see Ollier, N. ... 218 (2004) 176
Petrik, P., see Battistig, G. ... 219–220 (2004) 652
Petrov, A.V., see Fink, D. ... 218 (2004) 355
Petrović, B., see Ruddy, F.H. ... 213 (2004) 351
Petrović, B., see Dulloo, A.R. ... 213 (2004) 400
Petrović, S., see Kokkoris, M. ... 219–220 (2004) 226
Petryka, L., see Furman, L. ... 211 (2003) 436
Pey, K.L., see Mangelinck, D. ... 215 (2004) 495
Pfandzelter, R., see Bernhard, T. ... 219–220 (2004) 567
Piatkowski, P., see Krok, F. ... 212 (2003) 264
Piccotti, A., see Arnaldi, R. ... 213 (2004) 284
Pilz, W., M. Friedrich, K.-H. Heinig, B. Schmidt and J. von Borany, AMS depth profiling of humidity in silica ... 219–220 (2004) 459
Piña, C., see Mireles, A. ... 219–220 (2004) 187
Pinho, H.F.R., see Barradas, N.P. ... 219–220 (2004) 105
Pinti, D.L., see Gallien, J.-P. ... 217 (2004) 113
Pinto, J.V., R.C. da Silva, E. Alves, M.J. Soares, T. Monteiro and R. González, Stability and optical activity of Er implanted MgO ... 218 (2004) 128
Pinto, J.V., see Savoini, B. ... 218 (2004) 148
Pinto, J.V., see Tardío, M. ... 218 (2004) 164
Pinto, R., see Wanchoo, S.K. ... 212 (2003) 539
Piro, A.M., see Romano, L. ... 219–220 (2004) 727
Piro, A.M., L. Romano, A. Spada, F. La Via, M.G. Grimaldi and E. Rimini, Structural characterization and oxygen concentration profiling of a Co/Si multilayer structure ... 219–220 (2004) 732
Pirola, L., see Gambarini, G. ... 213 (2004) 321
Pittner, H., see Tan, J.N. ... 214 (2004) 22
Pivac, B., see Dubček, P. ... 215 (2004) 122
Pivin, J.C., G. Roger, M.A. Garcia, F. Singh and D.K. Avasthi, Nucleation and growth of Ag clusters in silicate glasses under ion irradiation ... 215 (2004) 373
Pivin, J.C., Ion induced precipitation of metal particles in triethoxysilane for optical and magnetic applications ... 216 (2004) 239
Plachke, D., see Srivastava, S.K. ... 219–220 (2004) 364
Plag, R., see Milazzo, P.M. ... 213 (2004) 36
Plaksin, O., N. Okubo, Y. Takeda, H. Amekura, K. Kono and N. Kishimoto, Optical transmission of silica glass during swift-heavy-ion implantation ... 219–220 (2004) 294
Plaksin, O.A., see Kishimoto, N. ... 218 (2004) 416
Plaksin, O.A., see Takeda, Y. ... 219–220 (2004) 737
Plaksin, O.A., see Kishimoto, N. ... 219–220 (2004) 810
Plaksin, O.A., see Boldyryeva, H. ... 219–220 (2004) 953
Platonov, S.Yu., see Drozdov, V.A. ... 212 (2003) 501
Platonov, S.Yu., see Yuminov, O.A. ... 212 (2003) 516
Plouin, F., see Codino, A. ... 211 (2003) 107
Plückthun, M., see Bassalleck, B. ... 214 (2004) 167

Pochodzalla, J., Future experiments on hypernuclei and hyperatoms 214 (2004) 149
Podolec, P., see Wróbel, A. 213 (2004) 556
Poggio, F., see Arnaldi, R. 213 (2004) 284
Pojchanachai, S., see Chankow, N. 213 (2004) 418
Po-Lee, C., see Chankow, N. 213 (2004) 426
Poletti, M.E., O.D. Gonçalves and I. Mazzaro, Measurements of X-ray scatter signatures for some tissue-equivalent materials 213 (2004) 595
Polkanov, Yu.G., see Bogolubov, Ye.P. 213 (2004) 439
Pomp, S., see Bassalleck, B. 214 (2004) 167
Ponnusamy, V., V. Ramasamy, M. Dheenathayalu and J. Hemalatha, Effect of annealing in thermostimulated luminescence (TSL) on natural blue colour calcite crystals 217 (2004) 611
Pontuschka, W.M., see da Rocha, M.S.F. 218 (2004) 183
Pontuschka, W.M., see Da Costa, Z.M. 218 (2004) 283
Popa-Simil, L., see Innegraeve, O. 219–220 (2004) 191
Popok, V.N., see Vilensky, A.I. 218 (2004) 294
Popovic, M., F.E. McNeill, C.E. Webber and D.R. Chettle, The effect of lead in bone densitometry 213 (2004) 599
Posselt, M., see Gao, F. 218 (2004) 74
Post, S.E., see Forster, R.A. 213 (2004) 82
Pouliquen, E., see Muzi, L. 213 (2004) 491
Powell, S.J., see Murphy, J.J. 215 (2004) 423
Pozzi, S.A., see Marseguerra, M. 213 (2004) 289
Pradhan, A., see Sahoo, P.K. 216 (2004) 313
Prael, R.E., see Forster, R.A. 213 (2004) 82
Prasad, R., see Kumar, R. 212 (2003) 221
Prasher, S., see Singh, S. 215 (2004) 169
Prati, P., see Zucchiatti, A. 219–220 (2004) 20
Prati, P., see Chiari, M. 219–220 (2004) 166
Premuda, F., see Mainardi, E. 213 (2004) 182
Presnyakov, L.P., see Hathiramani, D. 212 (2003) 67
Prestini, P., see Gambarini, G. 213 (2004) 321
Prete, G., see Fioretto, E. 213 (2004) 457
Prete, G., see Lunardon, M. 213 (2004) 544
Prieto, C., see Vila, M. 211 (2003) 199
Principi, G., see Gupta, A. 212 (2003) 458
Priolo, F., see Mirabella, S. 216 (2004) 80
Priolo, F., see Cesca, T. 216 (2004) 105
Priolo, F., see Irrera, A. 216 (2004) 222
Priolo, F., see De Salvador, D. 216 (2004) 286
Priselkova, A.B., see Yuminov, O.A. 212 (2003) 516
Proost, K., K. Janssens, B. Wagner, E. Bulska and M. Schreiner, Determination of localized Fe^{2+}/Fe^{3+} ratios in inks of historic documents by means of μ-XANES 213 (2004) 723
Proost, K., see Šmit, Ž. 219–220 (2004) 35
Prous, A.P.P., see Sastry, M.D. 213 (2004) 751
Pruvost, S., see Berger, P. 219–220 (2004) 1005
Pruys, H., see Fujiwara, M.C. 214 (2004) 11
Pruys, H., see Bonomi, G. 214 (2004) 17
Przybyłowicz, W.J., J. Mesjasz-Przybyłowicz, P. Migula, K. Turnau, M. Nakonieczny, M. Augustyniak and E. Gcurrkowacka, Elemental microanalysis in ecophysiology using ion microbeam 219–220 (2004) 57
Ptáčková, B., see Tačev, T. 213 (2004) 629
Pusa, P., T. Ahlgren and E. Rauhala, Fast Monte Carlo simulation for elastic ion backscattering 219–220 (2004) 95

Qi, D., see Zhao, Z. 217 (2004) 621
Qiu, G.-y., see Zhao, Y. 211 (2003) 211
Quarta, G., see Calcagnile, L. 215 (2004) 561
Quarta, G., M. D'Elia and L. Calcagnile, The influence of injection parameters on mass fractionation phenomena in radiocarbon analysis 217 (2004) 644

Quarta, S., see Cesareo, R. ... 213 (2004) 703
Quindós, L.S., see Fernández, P.L. ... 217 (2004) 167
Quinn, B., see Bassalleck, B. ... 214 (2004) 167
Quinn, J., see Wielunski, L.S. ... 219–220 (2004) 708
Quint, W., J. Alonso, S. Djekić, H.-J. Kluge, S. Stahl, T. Valenzuela, J. Verdú, M. Vogel and G. Werth, Continuous Stern–Gerlach effect and the magnetic moment of the antiproton ... 214 (2004) 207
Quiquandon, M., see Coddens, G. ... 211 (2003) 122

Racolta, P.M., see Craciun, L. ... 213 (2004) 515
Racolta, P.M., see Innegraeve, O. ... 219–220 (2004) 191
Radmilovic, V.R., see Schenkel, T. ... 219–220 (2004) 200
Radtke, C., see Trimaille, I. ... 219–220 (2004) 914
Radwan, R.M., see Abdel-Hamid, H.M. ... 215 (2004) 479
Ragle, L.O., see Kozlovski, V.V. ... 215 (2004) 385
Raineri, V., see Mirabella, S. ... 216 (2004) 80
Rainò, A., see Terlizzi, R. ... 213 (2004) 210
Räisänen, J., see Laitinen, P. ... 219–220 (2004) 530
Raj, R., see Vomiero, A. ... 211 (2003) 401
Rajam, A.K., see Nageswara Rao, S.V.S. ... 212 (2003) 473
Rajta, I., see Szíki, G.Á. ... 219–220 (2004) 508
Ramana, C.V., B.-S. Choi, R. Hutchison and R.J. Smith, Ion scattering studies of the formation and thermal stability of the Ti–Al interface ... 212 (2003) 465
Ramasamy, V., see Ponnusamy, V. ... 217 (2004) 611
Ramello, L., see Baldazzi, G. ... 213 (2004) 603
Ramírez, A., see Martínez, T. ... 213 (2004) 584
Ramírez, F.P. and M.E. Cortés, The determination of residence times in a pilot plant ... 213 (2004) 144
Ramírez, R., see Tardío, M. ... 218 (2004) 164
Ramos, A.R., see Battistig, G. ... 219–220 (2004) 652
Ramos, A.R., see Marques, A.C. ... 219–220 (2004) 923
Rancoita, P.G., see Codegoni, D. ... 217 (2004) 65
Rando, R., see Bisello, D. ... 219–220 (2004) 1000
Rangelow, I.W., see Schenkel, T. ... 219–220 (2004) 200
Rao, M.N., see Ribas, R.V. ... 211 (2003) 453
Rao, S.V.S.N., see Tripathi, A. ... 212 (2003) 402
Rassow, J., see Moss, R.L. ... 213 (2004) 633
Ratajczak, R., see Turos, A. ... 219–220 (2004) 618
Ratajová, E., see Švorčík, V. ... 217 (2004) 307
Rauhala, E., see Pusa, P. ... 219–220 (2004) 95
Rauschenbach, B., see Keckes, J. ... 211 (2003) 519
Rauschenbach, B., see Frost, F. ... 216 (2004) 9
Rauth, C., C. Geppert, R. Horn, J. Lassen, P. Bricault and K. Wendt, First laser ions at an off-line mass separator of the ISAC facility at TRIUMF ... 215 (2004) 268
Ravaioli, F., see Bettuzzi, M. ... 213 (2004) 300
Ravazzani, A., see Brunetti, G. ... 213 (2004) 414
Ravi Prasad, G.V., see Nigam, M. ... 219–220 (2004) 273
Ravi Prasad, G.V., see Mitchell, L.J. ... 219–220 (2004) 455
Ravichandran, V., see Santhakumar, K. ... 212 (2003) 197
Ravichandran, V., see Santhakumar, K. ... 212 (2003) 381
Ravichandran, V., see Santhakumar, K. ... 212 (2003) 521
Reading, J.F. and J. Fu, The bus stop effect revisited ... 214 (2004) 126
Reber, E., see Gehrke, R.J. ... 213 (2004) 10
Rebetez, M., see Tisserand, R. ... 215 (2004) 129
Rebohle, L., see Lopes, J.M.J. ... 218 (2004) 438
Rebuli, D.B., E. Sideras-Haddad and S.H. Connell, Emission of electrons from diamond surfaces induced by MeV ions ... 219–220 (2004) 299

Reddy, G.L.N., see Santhakumar, K. ... 212 (2003) 197
Regenfus, C., see Fujiwara, M.C. ... 214 (2004) 11
Regenfus, C., see Bonomi, G. ... 214 (2004) 17
Rehn, L., see Andersen, H.H. ... 215 (2004) 3
Rehn, L.E., R.C. Birtcher, P.M. Baldo, A.W. McCormick and L. Funk, Shock-wave production of nanoparticles during high-energy ion sputtering ... 212 (2003) 326
Rehn, L.E., see Andersen, H.H. ... 215 (2004) 1
Reichart, P., G. Dollinger, A. Bergmaier, G. Datzmann, A. Hauptner, H.-J. Körner and R. Krücken, 3D hydrogen microscopy with sub-ppm detection limit ... 219–220 (2004) 980
Reiche, I., see Kanngießer, B. ... 211 (2003) 259
Reicherz, G., see Bassalleck, B. ... 214 (2004) 167
Reifarth, R., see Milazzo, P.M. ... 213 (2004) 36
Reijonen, J., see English, G.A. ... 213 (2004) 410
Reijonen, J., see Perry, D.L. ... 213 (2004) 527
Reinert, T., A. Fiedler, J. Škopek, J. Tanner, J. Vogt and T. Butz, Single ion bombardment of living cells at LIPSION ... 219–220 (2004) 77
Reinert, T., see Menzel, F. ... 219–220 (2004) 82
Ren, C., see Jiang, B. ... 215 (2004) 413
Renz, T., see Bolse, W. ... 218 (2004) 80
Reslan, A., see Roumié, M. ... 219–220 (2004) 389
Respaldiza, M.A., see Vila, M. ... 211 (2003) 199
Revay, Z., see English, G.A. ... 213 (2004) 410
Révay, Zs., see Molnár, G.L. ... 213 (2004) 32
Révay, Zs., T. Belgya, Zs. Kasztovszky, J.L. Weil and G.L. Molnár, Cold neutron PGAA facility at Budapest ... 213 (2004) 385
Révay, Zs., see Molnár, G.L. ... 213 (2004) 389
Revay, Zs., see Perry, D.L. ... 213 (2004) 527
Reyes Romero, J., see Chipara, M. ... 211 (2003) 117
Reynard, B., see Ollier, N. ... 218 (2004) 176
Reynolds, P., see Roumié, M. ... 215 (2004) 196
Reznikova, E., see Nazmov, V. ... 217 (2004) 409
Ribas, R.V., N.H. Medina, N. Added, J.R.B. Oliveira, E.W. Cybulska, M.N. Rao, W.A. Seale, F. Brandolini, M.A. Rizzutto and J.A. Alcántara-Núñez, Stopping power of Au for silver ions at low velocities ... 211 (2003) 453
Ribeiro, E., see Sias, U.S. ... 218 (2004) 405
Ribeiro, E., see Maltez, R.L. ... 218 (2004) 444
Ribeiro, J.P., see Mateus, R. ... 219–220 (2004) 307
Ribeiro, J.P., see Mateus, R. ... 219–220 (2004) 519
Riccardi, P., A. Sindona, P. Barone, A. Bonanno, A. Oliva and R.A. Baragiola, Bulk and surface plasmon excitation in the interaction of He^+ with Mg surfaces ... 212 (2003) 339
Richard, J.-M. and X. Artru, Constraints on spin observables in $\bar{p}p \to \bar{\Lambda}\Lambda$ ... 214 (2004) 171
Richard-Plouet, M., see Cerruti, C. ... 216 (2004) 329
Richard-Plouet, M., see D'Orléans, C. ... 216 (2004) 372
Richter, E., see Ayache, R. ... 216 (2004) 137
Rico, M., see Kling, A. ... 218 (2004) 271
Ridgway, M.C., G. de M. Azevedo, C.J. Glover, R.G. Elliman, D.J. Llewellyn, A. Cheung, B. Johannessen, D.A. Brett and G.J. Foran, EXAFS characterisation of Ge nanocrystals in silica ... 218 (2004) 421
Ridolfi, S., see Pani, R. ... 213 (2004) 197
Rielder, P., see Fujiwara, M.C. ... 214 (2004) 11
Riedler, P., see Bonomi, G. ... 214 (2004) 17
Rigo, S., see Trimaille, I. ... 219–220 (2004) 914
Riihimäki, I., see Laitinen, P. ... 219–220 (2004) 530
Rimini, E., see Romano, L. ... 219–220 (2004) 727
Rimini, E., see Piro, A.M. ... 219–220 (2004) 732
Rindby, A., see Vittiglio, G. ... 213 (2004) 693
Ritman, J., Conceptual design and simulation of the PANDA detector ... 214 (2004) 201
Rivard, M.J., K.E. Evans, L.C. Leal and B.L. Kirk, Selective perturbation of in vivo linear energy transfer using high-Z vaginal applicators for Cf-252 brachytherapy ... 213 (2004) 621

Rivera, A., see van Veen, A. ... 216 (2004) 264
Rivera, T., J. Azorín, C. Furetta, C. Falcony, M. García and E. Martínez, Green stimulated luminescence of ZrO_2 + PTFE to UV radiation dosimetry ... 213 (2004) 325
Rivera, T., see Sepulveda, F. ... 213 (2004) 329
Rizzutto, M.A., see Ribas, R.V. ... 211 (2003) 453
Roach, G., see Tickner, J. ... 213 (2004) 507
Roascio, S., see Zucchiatti, A. ... 219–220 (2004) 20
Robison, G., see Miller, R.B. ... 211 (2003) 562
Rocchi, F., see Molinari, V.G. ... 213 (2004) 75
Rocchi, F., see Manservisi, S. ... 213 (2004) 134
Rocchi, F., see Benzi, V. ... 213 (2004) 611
Rocco, C., see Mazzei, R.O. ... 218 (2004) 313
Rocha, M.F., see Andrade, E. ... 219–220 (2004) 763
Rocha, M.F., see Andrade, E. ... 219–220 (2004) 768
Rocha, M.S., see Carvalhaes, R.P.M. ... 218 (2004) 158
Ročková, K., see Švorčík, V. ... 217 (2004) 307
Rodriguez, M.E., see Rojas-Rodriguez, I. ... 215 (2004) 537
Rodriguez, O., see Deppman, A. ... 211 (2003) 15
Roger, G., see Pivin, J.C. ... 215 (2004) 373
Rogers, J., see Greife, U. ... 217 (2004) 1
Röhrich, J., see Bohne, W. ... 217 (2004) 237
Röhrich, J., see Strub, E. ... 219–220 (2004) 499
Röhrich, K., see Bassalleck, B. ... 214 (2004) 167
Rösler, M., see Pauly, N. ... 212 (2003) 386
Rösler, M., see Pauly, N. ... 212 (2003) 391
Rojas-Rodriguez, I., A. Herrera, C. Vázquez-López, R. Apolo, J. González-Hernández, M.A. Hernández-Landaverde and M.E. Rodriguez, On the authenticity of eight Reales 1730 Mexican silver coins by X-ray diffraction and by energy dispersion spectroscopy techniques ... 215 (2004) 537
Rojc, A., see Borsaru, M. ... 213 (2004) 422
Rojc, A., see Borsaru, M. ... 213 (2004) 530
Rokita, E., see Wróbel, A. ... 213 (2004) 556
Roldán, C., see Ferrero, J.L. ... 213 (2004) 729
Romagnoli, G.M., see Lunardon, M. ... 213 (2004) 544
Roman, L.S., see Foerster, C.E. ... 218 (2004) 375
Romani, D., see Bettuzzi, M. ... 213 (2004) 227
Romani, D., see Bettuzzi, M. ... 213 (2004) 300
Romani, D., see Casali, F. ... 213 (2004) 616
Romani, D., see Rossi, M. ... 213 (2004) 747
Romano, L., A.M. Piro, E. Napolitani, G., Bisognin, A. Spada, M.G. Grimaldi and E. Rimini, Electrical activation and lattice location of B and Ga impurities implanted in Si ... 219–220 (2004) 727
Romano, L., see Piro, A.M. ... 219–220 (2004) 732
Ronsivalle, C., see Casali, F. ... 213 (2004) 616
Rook, L., see Rossi, M. ... 213 (2004) 747
Roorda, S., see Schiettekatte, F. ... 219–220 (2004) 430
Rosa, R., see Bettuzzi, M. ... 213 (2004) 300
Rosi, G., see Baccaro, S. ... 213 (2004) 666
Ross, G.G. and C. Sévigny, Effect of electric charge accumulation on insulators during low energy ion implantation ... 211 (2003) 351
Rossi, E., see Labanti, C. ... 213 (2004) 260
Rossi, M., see Bettuzzi, M. ... 213 (2004) 227
Rossi, M., see Bettuzzi, M. ... 213 (2004) 300
Rossi, M., see Casali, F. ... 213 (2004) 616
Rossi, M., F. Casali, D. Romani, L. Bondioli, R. Macchiarelli and L. Rook, MicroCT Scan in paleobiology: application to the study of dental tissues ... 213 (2004) 747
Rossi, P., D.K. Brice, C.H. Seager, F.D. McDaniel, G. Vizkelethy and B.L. Doyle, Ion beam induced luminescence of doped yttrium compounds ... 219–220 (2004) 327
Rossi, P.L., see Baldazzi, G. ... 213 (2004) 223

Rotondi, A., see Fujiwara, M.C. 214 (2004) 11
Rotondi, A., see Bonomi, G. 214 (2004) 17
Roumié, M., S.Y. Waksman, B. Nsouli, P. Reynolds and S. Lemaître, Use of PIXE analysis technique for the study of Beirut amphora production in the Roman period 215 (2004) 196
Roumié, M., see Nsouli, B. 219–220 (2004) 181
Roumié, M., B. Nsouli, K. Zahraman and A. Reslan, First accelerator based ion beam analysis facility in Lebanon: development and applications 219–220 (2004) 389
Roumié, M., M. Hageali, K. Zahraman, B. Nsouli and G. Younes, Characterization of electroless Au, Pt and Pd contacts on CdTe and ZnTe by RBS and SIMS techniques 219–220 (2004) 871
Rouzière, S., see Coddens, G. 211 (2003) 122
Rowlett, E., see Gnaser, H. 219–220 (2004) 880
Roy, S., see Satpati, B. 212 (2003) 332
Roy, S.N., see Maiti, M. 215 (2004) 317
Rózsa, P., see Uzonyi, I. 219–220 (2004) 555
Rubio Montero, M.P., A. Martín Sánchez and A.M. Carrasco Lourtau, Isotopic uranium and plutonium analysis by alpha-particle spectrometry 213 (2004) 429
Ruddy, F.H., A.R. Dulloo, J.G. Seidel and B. Petrović, Separation of the alpha-emitting radioisotopes actinium-225 and bismuth-213 from thorium-229 using alpha recoil methods 213 (2004) 351
Ruddy, F.H., see Dulloo, A.R. 213 (2004) 400
Rudolphi, M., see Markwitz, A. 217 (2004) 583
Ruiz, C.M., see Barradas, N.P. 219–220 (2004) 928
Rumbolz, C., see Kumar, S. 212 (2003) 242
Rumyantsev, D.S., see Kozlovski, V.V. 215 (2004) 385
Rundhe, M., S. Mathew, B.R. Sekhar and B.N. Dev, Clustering in Pb thin films on bromine-passivated Si(1 1 1) surfaces 212 (2003) 314
Rupnik, Z., see Budnar, M. 219–220 (2004) 41
Rusakova, I., see Shao, L. 219–220 (2004) 938
Ruske, J.-P., see Schrempel, F. 218 (2004) 209
Ryabchikov, A.I., V.S. Skuridin, E.V. Nesterov, E.V. Chibisov and V.M. Golovkov, Obtaining molybdenum-99 in the IRT-T research reactor using resonance neutrons 213 (2004) 364
Ryabinina, M.V. and L.A. Melnikov, Laser-induced antiproton–positron recombination in traps 214 (2004) 35
Ryan, C.G., Ion beam microanalysis in geoscience research 219–220 (2004) 534
Ryssel, H., see Švorčík, V. 215 (2004) 366
Ryzhikov, V.D., see Naydenov, S.V. 215 (2004) 552
Ryzhkov, V.I., see Barmakov, Ju.N. 213 (2004) 241

Sachs, K., see Bassalleck, B. 214 (2004) 167
Sada, C., see de Julián Fernández, C. 216 (2004) 245
Sada, C., see Mattei, G. 218 (2004) 433
Saeed, U., see Biswas, A. 217 (2004) 39
Saha, S.K., see Mohanty, A.K. 211 (2003) 145
Saha, S.K., see Chowdhury, D.P. 211 (2003) 288
Saharian, A.A., see Grigoryan, L.Sh. 212 (2003) 51
Sahoo, P.K., see Kumar, S. 212 (2003) 238
Sahoo, P.K., see Kumar, S. 212 (2003) 242
Sahoo, P.K., S. Gupta, A. Pradhan and V.N. Kulkarni, Microstructure of N^+ ion beam induced epitaxial crystallized Si 216 (2004) 313
Sahoo, P.K., S. Dhar, S. Gąsiorek and K.P. Lieb, Cathodoluminescence of α-quartz after hot Ge ion irradiation 216 (2004) 324
Sahre, K., see Guenther, M. 216 (2004) 143
Saint Martin, G., see Francisco, D.H. 218 (2004) 461
Sainz, C., see Fernández, P.L. 217 (2004) 167
Saito, M., see Ogawa, H. 212 (2003) 27
Sajavaara, T., see Gąsiorek, S. 216 (2004) 62
Sajavaara, T., see Harjunmaa, A. 219–220 (2004) 773
Sajo-Bohus, L., see Suarez, S.M. 213 (2004) 784

Sakaguchi, I., Y. Sato, D. Park, N. Ohashi, H. Haneda and S. Hishita, Recovery of the luminescence property in sulfur-implanted ZnO thin film 217 (2004) 417
Sakaguchi, J., J. Eades, R.S. Hayano, M. Hori, D. Horváth, T. Ishikawa, B. Juhász, H.A. Torii, E. Widmann, H. Yamaguchi and T. Yamazaki, Study of the hyperfine structure of antiprotonic helium 214 (2004) 89
Sakai, T., see Ma, C.-J. 215 (2004) 501
Sakai, W., K. Nakajima, M. Suzuki and K. Kimura, Use of grazing angle sputtering for improving depth resolution in high resolution RBS 219–220 (2004) 369
Sakamoto, K., see Huda, M.Q. 216 (2004) 20
Sakimoto, K., Collinear study of protonium formation in collisions of antiprotons with hydrogen molecular ions 214 (2004) 131
Salgado, J., see Oliveira, C. 213 (2004) 172
Salgado, J., see Gonçalves, I.F. 213 (2004) 186
Salomon, J., see Dran, J.-C. 219–220 (2004) 7
Salonen, E., K. Nordlund and J. Keinonen, Au irradiation by 25-keV Au_n ($n = 1$–65600) clusters 212 (2003) 286
Salzborn, E., see Hathiramani, D. 212 (2003) 67
Samsonova, T.P., see Kozlovski, V.V. 215 (2004) 385
San Andrés, E., see Bohne, W. 217 (2004) 237
Sanami, T., see Király, B. 213 (2004) 452
Sanchez, E.A., see Guillemot, L. 212 (2003) 20
Sánchez, H.J., see Barrea, R.A. 215 (2004) 308
Sandström, J., P. Andersson, K. Fritioff, D. Hanstorp, R. Thomas, D.J. Pegg and K. Wendt, Laser photodetachment mass spectrometry 217 (2004) 513
Sanfilippo, D., see Irrera, A. 216 (2004) 222
Sang, Y.J., see Liang, J.H. 219–220 (2004) 778
Sangregorio, C., see de Julián Fernacuteandez, C. 216 (2004) 245
Sanipoli, C., see Sepulveda, F. 213 (2004) 329
Sankara Sastry, V., see Santhakumar, K. 212 (2003) 521
Santhakumar, K., P. Jayavel, G.L.N. Reddy, V.S. Sastry, K.G.M. Nair and V. Ravichandran, The effect of nitrogen implantation on structural changes in semi-insulating InP 212 (2003) 197
Santhakumar, K., K.G.M. Nair, R. Kesavamoorthy and V. Ravichandran, Effect of N^+ ion implantation on n-GaN 212 (2003) 381
Santhakumar, K., see Jayavel, P. 212 (2003) 496
Santhakumar, K., R. Kesavamoorthy, K.G.M. Nair, P. Jayavel, D. Kanjilal, V. Sankara Sastry and V. Ravichandran, Synthesis of InN by N^+ implantation on InP at high temperature 212 (2003) 521
Santilli, C.V., see Dahmouche, K. 211 (2003) 160
Santopadre, P., see Cesareo, R. 213 (2004) 703
Santra, S., see Tripathi, R. 211 (2003) 138
Santra, S., see Mandal, A.C. 217 (2004) 104
Sapet, M.C., see Pasquali, L. 212 (2003) 274
Saphier, D., see van der Meer, K. 217 (2004) 202
Saraiya, A., see Gupta, A. 212 (2003) 458
Saraydın, D., S. Ünver-Saraydın, E. Karadağ, E. Koptagel and O. Güven, In vivo biocompatibility of radiation crosslinked acrylamide copolymers 217 (2004) 281
Sarkar, A., see De, U. 212 (2003) 505
Sarkar, D.K., see Chaudhuri, S. 217 (2004) 589
Sarkar, M., see Mandal, A.C. 217 (2004) 104
Sarkar, P.K., see Maiti, M. 215 (2004) 317
Sarkar, S. and P. Chakraborty, Towards an understanding of MCs_2^+ formation mechanism in SIMS 212 (2003) 364
Sasajima, T., see Morishita, T. 214 (2004) 144
Sasaki, H., see Tominaga, H. 213 (2004) 540
Sasaki, J.M., see Souza, D.N. 218 (2004) 123
Sasase, M., see Yasuda, K. 219–220 (2004) 425
Sastry, M.D., H.S.L. Sullasi, F. Camargo, S. Watanabe, A.P.P. Prous and M.M.C. Silva, Dating sediment deposits on Montalvanian carvings using EPR and TL methods 213 (2004) 751
Sastry, M.D., see Sullasi, H.S. 213 (2004) 756
Sastry, V.S., see Santhakumar, K. 212 (2003) 197
Sastry, V.S., see Santhakumar, K. 212 (2003) 521

Sataka, M., see Jeong, S.C. ... 212 (2003) 483
Sato, Y., see Shevelko, V.P. ... 211 (2003) 460
Sato, Y., see Sakaguchi, I. ... 217 (2004) 417
Satpati, B., see Som, T. ... 212 (2003) 151
Satpati, B., D.K. Goswami, U.D. Vaishnav, T. Som, B.N. Dev and P.V. Satyam, Energy spike induced effects in MeV ion-irradiated nanoislands ... 212 (2003) 157
Satpati, B., see Som, T. ... 212 (2003) 206
Satpati, B., D.K. Goswami, S. Roy, T. Som, B.N. Dev and P.V. Satyam, Study of sputtered particles from gold nano-islands due to MeV self-ion irradiation ... 212 (2003) 332
Satpati, B., see Chini, T.K. ... 212 (2003) 477
Sattonnay, G., see Garrido, F. ... 219–220 (2004) 196
Satyam, P.V., see Som, T. ... 212 (2003) 151
Satyam, P.V., see Satpati, B. ... 212 (2003) 157
Satyam, P.V., see Som, T. ... 212 (2003) 206
Satyam, P.V., see Satpati, B. ... 212 (2003) 332
Satyam, P.V., see Balaji, S. ... 217 (2004) 423
Saudé, S., R.I. Grynszpan, W. Anwand, G. Brauer, J.J. Grob and Y. Le Gall, Fluence dependence and thermal stability of defects in helium-implanted cubic zirconia ... 216 (2004) 156
Saudé, S., see Flament, J.L. ... 216 (2004) 161
Sauerwein, W., see Moss, R.L. ... 213 (2004) 633
Saunders, A., see Morgan, G.L. ... 211 (2003) 297
Sauvage, T., see Garrido, F. ... 219–220 (2004) 196
Savchenko, O.Ya., see Khairulin, R.A. ... 215 (2004) 353
Savoini, B., D. Cáceres, R. González, Y. Chen, J.V. Pinto, R.C. da Silva and E. Alves, Copper nanocolloids in MgO crystals implanted with Cu ions ... 218 (2004) 148
Sawakuchi, G.O. and E. Okuno, Effects of high gamma ray doses in quartz ... 218 (2004) 217
Scalas, E., see Arnaldi, R. ... 213 (2004) 284
Scarlat, Fl., see Marghitu, S. ... 217 (2004) 498
Schaaf, P., see Gupta, R. ... 216 (2004) 350
Schaefer, J.A., see Kosiba, R. ... 215 (2004) 486
Schäfer, H., see Lamrani, Y. ... 216 (2004) 281
Schaff, W.J., see Kosiba, R. ... 215 (2004) 486
Schalm, O., see Smit, Z. ... 213 (2004) 717
Schattat, B., see Bolse, W. ... 218 (2004) 80
Schattat, B., see Srivastava, S.K. ... 219–220 (2004) 815
Scheer, J.A., P. Wurz and W. Heiland, Scattering of slow ions from insulator surfaces at the example of molecular oxygen from LiF(1 0 0) ... 212 (2003) 291
Scheid, E., see Cristiano, F. ... 216 (2004) 46
Scheid, E., see Lamrani, Y. ... 216 (2004) 281
Scheier, P., see Hathiramani, D. ... 212 (2003) 67
Schell, N., see Turos, A. ... 219–220 (2004) 618
Schenkel, T., I.W. Rangelow, R. Keller, S.J. Park, J. Nilsson, A. Persaud, V.R. Radmilovic, P. Grabiec, D.H. Schneider, J.A. Liddle and J. Bokor, Open questions in electronic sputtering of solids by slow highly charged ions with respect to applications in single ion implantation ... 219–220 (2004) 200
Schepers, G., see Tan, J.N. ... 214 (2004) 22
Schiettekatte, F., M. Chicoine, S. Gujrathi, P. Wei and K. Oxorn, Allegria: a new interface to the ERD program ... 219–220 (2004) 125
Schiettekatte, F., M. Chicoine, J.S. Forster, J.S. Geiger, S. Gujrathi, R. Kolarova, A. Paradis, S. Roorda and P. Wei, ERD, ^{15}N external beam for NRRA in air, HIRBS: ion beam analysis developments on the HVEC EN-1 Tandem ... 219–220 (2004) 430
Schiettekatte, F., see Wei, P. ... 219–220 (2004) 671
Schinner, A., see Sigmund, P. ... 212 (2003) 110
Schinner, A., see Sharma, A. ... 218 (2004) 19
Schleier-Smith, M.H., L.D. van Buuren, J.M. Doyle, S.N. Dzhosyuk, D.M. Gilliam, C.E.H. Mattoni, D.N. McKinsey, L. Yang and P.R. Huffman, The production of nitrogen-13 by neutron capture in boron compounds ... 215 (2004) 531
Schlomka, J.P., see Harding, G. ... 213 (2004) 189

Schlutig, S., see Birtcher, R.C. ... 215 (2004) 69
Schmerber, G., see Chemam, R. ... 216 (2004) 116
Schmid, K., A. Wiltner and Ch. Linsmeier, Measurement of beryllium depth profiles in carbon ... 219–220 (2004) 947
Schmid, M., see Dietrich, M. ... 216 (2004) 110
Schmidt, B., see Pilz, W. ... 219–220 (2004) 459
Schmidt, G., see Nowicki, L. ... 219–220 (2004) 666
Schmidt, J.E., see Kaschny, J.R. ... 218 (2004) 308
Schmidt, M., see Kentsch, U. ... 216 (2004) 196
Schmidt, R., see Trzcińska, A. ... 214 (2004) 157
Schmitt, H., see Bassalleck, B. ... 214 (2004) 167
Schneider, D.H., see Schenkel, T. ... 219–220 (2004) 200
Schoch, B., see Bassalleck, B. ... 214 (2004) 167
Schönbacher, H. and M. Tavlet, Absorbed doses and radiation damage during the 11 years of LEP operation ... 217 (2004) 77
Schöneich, B., see Strub, E. ... 219–220 (2004) 499
Schöpke, A., see Bohne, W. ... 217 (2004) 237
Schreiner, M., see Vittiglio, G. ... 213 (2004) 693
Schreiner, M., see Proost, K. ... 213 (2004) 723
Schrempel, F., Th. Opfermann, J.-P. Ruske, U. Grusemann and W. Wesch, Properties of buried waveguides produced by He-irradiation in KTP and Rb:KTP ... 218 (2004) 209
Schürmann, U., see Biswas, A. ... 217 (2004) 39
Schut, H., see van Huis, M.A. ... 216 (2004) 121
Schut, H., see van Huis, M.A. ... 216 (2004) 149
Schut, H., H. van Gog, A. van Veen, M.A. van Huis and S.W.H. Eijt, A positron beam study of hydrogen confined in nano-cavities in crystalline silicon ... 216 (2004) 251
Schut, H., see van Veen, A. ... 216 (2004) 264
Schut, H., see van Huis, M.A. ... 216 (2004) 390
Schut, H., see Escobar Galindo, R. ... 217 (2004) 262
Schut, H., see van Huis, M.A. ... 218 (2004) 410
Schwartz, K., see El-Said, A.S. ... 218 (2004) 492
Schwebel, C., see Coste, Ph. ... 217 (2004) 342
Scomparin, E., see Arnaldi, R. ... 213 (2004) 284
Scot, V., see Fernandez, J.E. ... 213 (2004) 105
Seager, C.H., see Rossi, P. ... 219–220 (2004) 327
Seale, W.A., see Ribas, R.V. ... 211 (2003) 453
Sealy, B.J., see Boudreault, G. ... 217 (2004) 177
Secu, C., see Chipara, M. ... 211 (2003) 117
Sefzick, T., see Tan, J.N. ... 214 (2004) 22
Sefzick, T., see Bassalleck, B. ... 214 (2004) 167
Seidel, J.G., see Ruddy, F.H. ... 213 (2004) 351
Seidel, J.G., see Dulloo, A.R. ... 213 (2004) 400
Seidman, A., see Codegoni, D. ... 217 (2004) 65
Seidt, C., see Miller, R.B. ... 211 (2003) 562
Sekhar, B.R., see Rundhe, M. ... 212 (2003) 314
Seki, T. and J. Matsuo, Surface smoothing with large current cluster ion beam ... 216 (2004) 191
Seki, T., see Matsuo, J. ... 219–220 (2004) 463
Sekioka, T., see Terasawa, M. ... 212 (2003) 436
Selcow, E.C., see Forster, R.A. ... 213 (2004) 82
Seleznev, I., see Meshkov, I.N. ... 214 (2004) 186
Sella, M., see Gambarini, G. ... 213 (2004) 321
Selle, B., see Bohne, W. ... 217 (2004) 237
Sellin, P.J., see Simon, A. ... 219–220 (2004) 405
Sellin, P.J., see Simon, A. ... 219–220 (2004) 1022
Seltzer, S.M., see Hubbell, J.H. ... 213 (2004) 1
Semba, S., see Kido, Y. ... 219–220 (2004) 599
Sen, P., see Dogra, A. ... 212 (2003) 190
Seng, H.L., M.B.H. Breese, F. Watt, M. Kummer and H. von Känel, Characterization of thick graded $Si_{1-x}Ge_x$/Si layers grown by low energy plasma enhanced chemical vapour deposition ... 215 (2004) 235

Sengupta, D., see Mohanty, A.K. 211 (2003) 145
Senhou, A., see El Khoukhi, T. 213 (2004) 770
Sepulveda, F., J. Azorin, T. Rivera, C. Furetta and C. Sanipoli, Thermoluminescence (TL) characteristics of perovskite-like $KMgF_3$ activated by La ions 213 (2004) 329
Sequeira, A.D., see Barradas, N.P. 219–220 (2004) 742
Sera, K., see Clemente, E. 219–220 (2004) 161
Serban, A.T., see Craciun, L. 213 (2004) 515
Serbena, F.C., see Foerster, C.E. 218 (2004) 375
Serebryakov, A.S., E.L. Demchenko, V.I. Koudryashov and A.D. Sokolov, Energy dispersive X-ray fluorescent (ED XRF) analyzer X-Art for investigation of artworks 213 (2004) 699
Serov, A.V., see Bolotovskii, B.M. 211 (2003) 161
Sévigny, C., see Ross, G.G. 211 (2003) 351
Shabalin, E., see Kulagin, E. 215 (2004) 181
Shabel'nikov, L., see Nazmov, V. 217 (2004) 409
Shahi, J.S., see Singh, P. 211 (2003) 33
Shao, L., see Chen, H. 211 (2003) 1
Shao, L., see Wang, X. 215 (2004) 278
Shao, L., J. Liu, C. Wang, K.B. Ma, J. Zhang, J. Chen, D. Tang, S. Patel and W.-K. Chu, Response function during oxygen sputter profiling for deconvolution of boron spatial distribution 219–220 (2004) 303
Shao, L., X. Wang, I. Rusakova, H. Chen, J. Liu, P.E. Thompson, P.A.W. van der Heide and W.-K. Chu, Study on interfacial dislocations of Si substrate/epitaxial layer by defect trapping 219–220 (2004) 938
Shapiro, M.H. and P. Lu, The influence of the ion–atom potential on molecular dynamics simulations of sputtering 215 (2004) 326
Shapiro, M.H. and T.A. Tombrello, Temporal development of sputtered atom distributions from Au(1 1 1) targets following bombardment with 100 keV/atom Au_2 ions 217 (2004) 253
Sharaf, M.A. and G.M. Hassan, ESR dosimetric properties of modern coral reef 217 (2004) 603
Shariff, A., see Wegdén, M. 219–220 (2004) 67
Shariff, A., B.G. Martinsson, V. Auzelyte, M. Elfman, P. Kristiansson, K.G. Malmqvist, C. Nilsson, J. Pallon and M. Wegdén, Evaluation of low-energy tailing parameters of a HPGe X-ray detector to be used in GUPIX software library for PIXE analysis 219–220 (2004) 110
Shariff, A., see Auzelyte, V. 219–220 (2004) 485
Shariff, A., P. Kristiansson, V. Auzelyte, M. Elfman, K.G. Malmqvist, C. Nilsson, J. Pallon and M. Wegdén, Characterization of a new large area HPGe X-ray detector for low beam current application 219–220 (2004) 494
Shariff, A., see Wegdén, M. 219–220 (2004) 550
Shariff, A., see Kristiansson, P. 219–220 (2004) 561
Shariff, A., see Pallon, J. 219–220 (2004) 988
Sharma, A., A. Fettouhi, A. Schinner and P. Sigmund, Stopping of swift ions in compounds 218 (2004) 19
Sharma, M., see Singh, P. 211 (2003) 33
Sharma, S.K., see Manam, J. 217 (2004) 314
Shchagin, A.V., see Endo, I. 217 (2004) 666
Shehata, A., see Gardner, R.P. 213 (2004) 357
Shen, D.-Y., see Fu, G. 211 (2003) 346
Shen, D.-Y., see Wang, F.-X. 215 (2004) 389
Shen, D.-Y., see Ding, F.-R. 217 (2004) 572
Sheng, H., see Li, R. 211 (2003) 91
Shestakova, I., see Nagarkar, V.V. 213 (2004) 476
Sheu, R.D., see Sheu, R.J. 217 (2004) 555
Sheu, R.J., J.P. Wang, R.D. Sheu and S.H. Jiang, Gas bremsstrahlung and induced photoneutrons in the NSRRC's electron storage ring: a comparison of measurements and simulations 217 (2004) 555
Shevchenko, D.I., see Bobkov, V.V. 218 (2004) 46
Shevelko, V.P., K. Noda, Y. Sato, H. Tawara and I.Yu. Tolstikhina, Loss of positive ion beam by interaction with residual gases during acceleration 211 (2003) 460
Shi, L., see Hu, P. 217 (2004) 551
Shi, P., see Ding, F.-R. 217 (2004) 572
Shibata, Y., see Kudo, K. 213 (2004) 305
Shibayama, T., see Zhang, C.H. 218 (2004) 53
Shikama, T., see Tsuchiya, B. 212 (2003) 426

Shiles, E., see Smith, D.Y. ... 218 (2004) 170
Shimer, D., see Miller, R.B. ... 211 (2003) 562
Shimoda, S. and T. Kobayashi, Development of three-dimensional medium-energy ion scattering spectroscopy ... 219–220 (2004) 573
Shin, H.C., see Lee, H.-I. ... 219–220 (2004) 959
Shinde, S.R., see Kulkarni, V.N. ... 219–220 (2004) 902
Shirakawa, Y., Developments of directional detectors with NaI(Tl)/BGO scintillators ... 213 (2004) 255
Shirasawa, K., see Ide-Ektessabi, A. ... 213 (2004) 761
Shor, A., see van der Meer, K. ... 217 (2004) 202
Shramenko, B.I., see Blazhevich, S.V. ... 212 (2003) 88
Shrestha, S.K., K.S.A. Butcher, M. Wintrebert-Fouquet and H. Timmers, Reliable ERD analysis of group-III nitrides despite severe nitrogen depletion ... 219–220 (2004) 686
Shubin, Yu., see Tárkányi, F. ... 217 (2004) 531
Shubin, Yu.N., see Tárkányi, F. ... 217 (2004) 373
Shukla, A.K., see Biswas, C. ... 212 (2003) 297
Shulga, S.A., see Voitsekhovskii, A.V. ... 215 (2004) 109
Shutthanandan, V., see Zhang, Y. ... 218 (2004) 89
Shutthanandan, V., see Smith, R.J. ... 219–220 (2004) 631
Shutthanandan, V., see Jiang, W. ... 219–220 (2004) 642
Shutthanandan, V., see Zhang, Y. ... 219–220 (2004) 647
Shuttleworth, E., see Wright, G.A. ... 213 (2004) 162
Shvartsman, V.V., see Barradas, N.P. ... 217 (2004) 479
Sias, U.S., E.C. Moreira, E. Ribeiro, H. Boudinov, L. Amaral and M. Behar, The influence of the implantation temperature on the photoluminescence characteristics of Si nanocrystals embedded into SiO_2 matrix ... 218 (2004) 405
Sickafus, K.E., see Valdez, J.A. ... 218 (2004) 103
Sickafus, K.E., see Gritsyna, V.T. ... 218 (2004) 264
Siddappa, K., see Gnana Prakash, A.P. ... 215 (2004) 457
Siddiqui, A.M., see Tripathi, A. ... 212 (2003) 402
Siddiqui, A.M., see Nageswara Rao, S.V.S. ... 212 (2003) 442
Siddiqui, A.M., see Nageswara Rao, S.V.S. ... 212 (2003) 473
Siddiqui, A.M., see Nageswara Rao, S.V.S. ... 212 (2003) 545
Sideras-Haddad, E., see Rebuli, D.B. ... 219–220 (2004) 299
Sidorin, A., see Meshkov, I.N. ... 214 (2004) 186
Sieber, I., see Bohne, W. ... 217 (2004) 237
Siffert, P., see Auricchio, N. ... 213 (2004) 272
Siffert, P., see Zanarini, M. ... 213 (2004) 315
Sigaudo, F., see Arnaldi, R. ... 213 (2004) 284
Sigmund, P. and A. Schinner, Anatomy of the Barkas effect ... 212 (2003) 110
Sigmund, P., see Sharma, A. ... 218 (2004) 19
Silari, M., see Agosteo, S. ... 217 (2004) 221
Silva, M.M.C., see Sastry, M.D. ... 213 (2004) 751
Silva, M.R., see Marques, C. ... 218 (2004) 139
Silvani, M.I., R.T. Lopes, E.F.O. de Jesus, G.L. de Almeida, D. Braz and A.F. Barbosa, Conversion of a X-ray position sensitive detector for use in a thermal neutron tomographic system ... 213 (2004) 294
Simčić, J., see Budnar, M. ... 219–220 (2004) 41
Simoen, E., see Nakabayashi, M. ... 219–220 (2004) 676
Simoen, E., see Ohyama, H. ... 219–220 (2004) 718
Simon, A., C. Jeynes, R.P. Webb, R. Finnis, Z. Tabatabaian, P.J. Sellin, M.B.H. Breese, D.F. Fellows, R. van den Broek and R.M. Gwilliam, The new Surrey ion beam analysis facility ... 219–220 (2004) 405
Simon, A., P.J. Sellin and A. Lohstroh, IBIC imaging of intra-crystallite charge transport in CVD diamond at reduced temperature ... 219–220 (2004) 1022
Simonucci, S., see Colle, R. ... 213 (2004) 65
Simović, R., see Vukanić, J. ... 215 (2004) 337
Sindona, A., see Riccardi, P. ... 212 (2003) 339
Sing Kamboj, M., R. Thangaraj, D.K. Avasthi and D. Kabiraj, 40 MeV $^{28}Si^{5+}$ ion induced blue shift in the optical band gap of amorphous $Se_{80-x}Te_{20}Pb_x$ thin films ... 211 (2003) 369

Singh, F., see Nagabhushana, H. ... 211 (2003) 545
Singh, F., see Mohanty, T. ... 212 (2003) 179
Singh, F., see Pivin, J.C. ... 215 (2004) 373
Singh, M., see Dogra, A. ... 212 (2003) 184
Singh, M., see Dogra, A. ... 212 (2003) 190
Singh, N., see Singh, P. ... 211 (2003) 33
Singh, P., M. Sharma, J.S. Shahi, D. Mehta and N. Singh, L, (i = 1,2,3) subshell X-ray production cross-sections and fluorescence yields for Ir, Pt, Pb and Bi ... 211 (2003) 33
Singh, P., see Tripathi, R. ... 211 (2003) 138
Singh, P., see Nayak, P.K. ... 215 (2004) 252
Singh, R.P., see Kumar, S. ... 212 (2003) 242
Singh, S. and S. Prasher, UV–VIS spectroscopic and etching studies of IR exposed CR-39 plastic track detector ... 215 (2004) 169
Singh, S., see Ghosh, S. ... 219–220 (2004) 973
Singh, Y.P., U. Kadhane, D. Trautmann, P.N. Tandon and L.C. Tribedi, K-shell ionization of high Z elements with low to intermediate velocity Si ions ... 212 (2003) 72
Siva Kumar, V.V., see Dogra, A. ... 212 (2003) 184
Siyanbola, W.O., A.Y. Fasasi, I.I. Funtua, O.M. Afolabi, T.A. Adesiyan and A.R. Adetunji, Elemental composition of rutile from south-western Nigeria using X-ray techniques ... 215 (2004) 240
Skarlatos, D., M. Perego, C. Tsamis, S. Ferrari, M. Fanciulli and D. Tsoukalas, Nitrogen distribution during oxidation of low and medium energy nitrogen-implanted silicon ... 216 (2004) 75
Skarlatos, D., see Normand, P. ... 216 (2004) 228
Skarsgard, L.D., see Maggiore, C. ... 214 (2004) 181
Skinner, A.R., see Murphy, J.J. ... 215 (2004) 423
Skogby, H., see Wegdén, M. ... 219–220 (2004) 550
Škopek, J., see Reinert, T. ... 219–220 (2004) 77
Skorupa, W., see Lopes, J.M.J. ... 218 (2004) 438
Skuja, L., see Kajihara, K. ... 218 (2004) 323
Skuridin, V.S., see Ryabchikov, A.I. ... 213 (2004) 364
Smathers, J.B., see Maggiore, C. ... 214 (2004) 181
Smirnov, A., see Meshkov, I.N. ... 214 (2004) 186
Šmit, Ž., K. Janssens, O. Schalm and M. Kos, Spread of façon-de-Venise glassmaking through central and western Europe ... 213 (2004) 717
Šmit, Ž., K. Janssens, K. Proost and I. Langus, Confocal μ-XRF depth analysis of paint layers ... 219–220 (2004) 35
Šmit, Ž. and M. Holc, Differential PIXE measurements of thin metal layers ... 219–220 (2004) 524
Smith, C.F., see Naydenov, S.V. ... 215 (2004) 552
Smith, D.Y., E. Shiles and M. Inokuti, Refraction and dispersion in optical glass ... 218 (2004) 170
Smith, E.B., see Mitchell, L.J. ... 219–220 (2004) 455
Smith, P.F., see Murphy, J.J. ... 215 (2004) 423
Smith, R., see Miller, R.B. ... 211 (2003) 562
Smith, R., see Voitsekhovskii, A.V. ... 215 (2004) 109
Smith, R.J., see Ramana, C.V. ... 212 (2003) 465
Smith, R.J., Y. Zhang, V. Shutthanandan, L.J. Bissell, S. Thevuthasan, W. Jiang and W.J. Weber, NRA and ERDA investigation of helium retention in SiC as a function of irradiation and annealing ... 219–220 (2004) 631
Snigirev, A., see Nazmov, V. ... 217 (2004) 409
Snigireva, I., see Nazmov, V. ... 217 (2004) 409
Soares, J.C., see Barradas, N.P. ... 219–220 (2004) 742
Soares, M.J., see Pinto, J.V. ... 218 (2004) 128
Soares, M.R.F., L. Amaral, M. Behar and F. Fink, Diffusion of Bi, Er and Eu implanted into S1813 photoresist ... 215 (2004) 90
Soares, M.R.F., P. Alegaonkar, M. Behar, D. Fink and M. Müller, $^{6}Li^{+}$ ion implantation into polystyrene ... 218 (2004) 300
Sodaye, S., see Tripathi, R. ... 211 (2003) 138
Sohsah, M., see Mamoon, A. ... 213 (2004) 766
Sokolov, A.D., see Serebryakov, A.S. ... 213 (2004) 699
Solberg, T.D., see Maggiore, C. ... 214 (2004) 181
Solís, C., see Mireles, A. ... 219–220 (2004) 187

Som, T., B. Satpati, P.V. Satyam, P. Ayyub and D. Kabiraj, Swift heavy ion induced formation of preferentially oriented $Au_{0.6}Ge_{0.4}$ alloy ... 212 (2003) 151
Som, T., see Satpati, B. ... 212 (2003) 157
Som, T., B. Satpati, P.V. Satyam, D. Kabiraj, P. Ayyub, S. Ghosh, A. Gupta, B.N. Dev and D.K. Avasthi, Swift heavy ion induced interface modification in Ni/Ge ... 212 (2003) 206
Som, T., see Satpati, B. ... 212 (2003) 332
Som, T., see Ghosh, S. ... 212 (2003) 431
Somogyi, A., see Uzonyi, I. ... 219–220 (2004) 555
Son, J.H., H.B. Kim, C.N. Whang, M.C. Sung, K. Jeong, S. Im and K.H. Chae, Visible photoluminescence from Si ion-beam-mixed SiO_2/Si/SiO_2 layers deposited by e-beam evaporation ... 216 (2004) 346
Son, J.H., see Kim, H.B. ... 216 (2004) 367
Soncini, V., see Normand, P. ... 216 (2004) 228
Sonck, M., see Tárkányi, F. ... 211 (2003) 319
Sonck, M., see Tárkányi, F. ... 217 (2004) 531
Song, Y., see Wang, Z.G. ... 218 (2004) 472
Sood, A., see Forster, R.A. ... 213 (2004) 82
Sood, A., see Gardner, R.P. ... 213 (2004) 87
Sood, A. and R.P. Gardner, A new Monte Carlo assisted approach to detector response functions ... 213 (2004) 100
Sood, A., R.A. Forster, B.J. Adams and M.C. White, Verification of the pulse height tally in MCNP 5 ... 213 (2004) 167
Soraru, G.D., see Vomiero, A. ... 211 (2003) 401
Sosa, E.D., see Nigam, M. ... 219–220 (2004) 273
Souifi, A., see Garrido, B. ... 216 (2004) 213
Souto, F.J. and R.H. Kimpland, Reactivity analysis of solution reactors for medical-radioisotope production ... 213 (2004) 369
Souza, D.N., J.F. de Lima, M.E.G. Valerio, J.M. Sasaki and L.V.E. Caldas, Radiation-induced charge trapping and recombination process in natural topaz studied by TL, EPR and XRD ... 218 (2004) 123
Souza, D.N., see de Magalhães, C.M.S. ... 218 (2004) 277
Souza, S.O., G.M. Ferraz and S. Watanabe, Effects of Mn and Fe impurities on the TL and EPR properties of artificial spodumene polycrystals under irradiation ... 218 (2004) 259
Spada, A., see Romano, L. ... 219–220 (2004) 727
Spada, A., see Piro, A.M. ... 219–220 (2004) 732
Specht, P., see Maltez, R.L. ... 218 (2004) 444
Speck, A., see Tan, J.N. ... 214 (2004) 22
Spemann, D., R. Deltschew, M. Lorenz and T. Butz, Ion beam analysis of functional layers for $CuInSe_2$ solar cells deposited on polymer foils ... 219–220 (2004) 693
Spemann, D., K.-H. Han, P. Esquinazi, R. Höhne and T. Butz, Ferromagnetic microstructures in highly oriented pyrolytic graphite created by high energy proton irradiation ... 219–220 (2004) 886
Spemann, D., E.M. Kaidashev, M. Lorenz, J. Vogt and T. Butz, Ion beam analysis of epitaxial (Mg, Cd)$_x$Zn$_{1-x}$O and ZnO:(Li, Al, Ga, Sb) thin films grown on c-plane sapphire ... 219–220 (2004) 891
Spieß, L., see Kosiba, R. ... 215 (2004) 486
Spillantini, P., The BALLOON-borne and PAMELA experiments for the study of the antimatter componentin cosmic rays ... 214 (2004) 116
Srinivasan, T., see Nageswara Rao, S.V.S. ... 212 (2003) 473
Srivastava, A.K., see Amirthapandian, S. ... 212 (2003) 140
Srivastava, S.K., see Kumar, S. ... 212 (2003) 242
Srivastava, S.K., see Tripathi, A. ... 212 (2003) 402
Srivastava, S.K., see Ghosh, S. ... 212 (2003) 431
Srivastava, S.K., see Avasthi, D.K. ... 219–220 (2004) 206
Srivastava, S.K., D. Plachke, Á. Szökefalvi-Nagy, J. Major and H.D. Carstanjen, Counting individual atom layers in graphite – high-resolution RBS experiments on highly oriented pyrolytic graphite ... 219–220 (2004) 364
Srivastava, S.K., D. Kabiraj, B. Schattat, H.D. Carstanjen and D.K. Avasthi, Swift heavy ion induced modification of Si/C_{60} multilayers ... 219–220 (2004) 815
Stahl, B., E. Kankeleit and G. Walter, Implantation induced phase formation in stainless steel ... 211 (2003) 227
Stahl, S., see Quint, W. ... 214 (2004) 207
Staicu-Casagrande, E.M., see Pasquali, L. ... 212 (2003) 274
Stamatelatos, I.E., K. Mergia, G. Lefkopoulos and R. Forrest, Impurities and evaluation of induced activity of SiC_f/SiC composites ... 213 (2004) 511
Stamatelatos, I.E., see Tzika, F. ... 213 (2004) 177

Stankus, S.V., see Khairulin, R.A. 215 (2004) 353
Stecher-Rasmussen, F., see Mous, R.L. 213 (2004) 633
Stedile, F.C., see Trimaille, I. 219–220 (2004) 914
Stefan, I., see Pantelica, D. 219–220 (2004) 373
Stęgowski, Z., see Furman, L. 211 (2003) 436
Stelcer, E., see Cohen, D.D. 219–220 (2004) 145
Stenström, K., see Timmers, H. 219–220 (2004) 263
Stepanek, J., see Negreanu, C. 213 (2004) 55
Stepanov, A.L., see Marques, C. 218 (2004) 139
Stepanova, M. and S.K. Dew, Anisotropic energies of sputtered atoms under oblique ion incidence 215 (2004) 357
Stephan, C., see Milazzo, P.M. 213 (2004) 36
Stephen, J.B., see Labanti, C. 213 (2004) 260
Stevenson, A., see Kimura, K. 211 (2003) 206
Stinzing, F., see Bassalleck, B. 214 (2004) 167
Stocker, M., see Döbeli, M. 219–220 (2004) 415
Stockman, Y., see Gailly, P. 216 (2004) 206
Stolterfoht, N., see Sulik, B. 212 (2003) 32
Stoquert, J.P., see Cerruti, C. 216 (2004) 329
Stoquert, J.P., see D'Orléans, C. 216 (2004) 372
Storry, C.H., see Tan, J.N. 214 (2004) 22
Stotzer, R., see Bassalleck, B. 214 (2004) 167
Štrbík, V., see Andrade, E. 219–220 (2004) 768
Streck, C.D., see Teixeira, E.C. 215 (2004) 203
Stritzker, B., see Häberlen, M. 216 (2004) 36
Stritzker, B., see Großhans, I. 216 (2004) 396
Stritzker, B., see Grosshans, I. 219–220 (2004) 820
Strlič, M., see Budnar, M. 219–220 (2004) 41
Strnad, V., see Tačev, T. 213 (2004) 629
Stronach, I., see Nie, H. 213 (2004) 579
Stroosnijder, R.M.F., see Groppi, F. 213 (2004) 373
Strub, E., M. Bär, W. Bohne, Ch.-H. Fischer, B. Leupolt, S. Lindner, J. Röhrich and B. Schöneich, Intensity calibration of an FT-IR spectrometer by heavy-ion ERDA 219–220 (2004) 499
Stutz, B., see Barouch, G. 213 (2004) 503
Su, X., see Jiang, B. 215 (2004) 413
Suarez, S.M., L. Sajo-Bohus, E.D. Greaves, J.R. Dominguez V and E. Villar, TRXRF analysis of environmental lead and heavy metals to monitor pollution in Caracas, Venezuela 213 (2004) 784
Such, B., see Krok, F. 212 (2003) 264
Suchaneck, G., see Guenther, M. 216 (2004) 143
Sudac, D., see Blagus, S. 213 (2004) 434
Sudac, D., see Obhođaš, J. 213 (2004) 445
Sudersanan, M., see Chowdhury, D.P. 211 (2003) 288
Sugai, H., see Jeong, S.C. 212 (2003) 483
Sugai, I., see Ogawa, H. 212 (2003) 27
Sugiyama, H., see Muto, S. 218 (2004) 117
Sugiyama, Y., see Jeong, S.C. 212 (2003) 483
Sukhatankar, K.V., see Nair, G.P. 212 (2003) 535
Sulik, B., N. Stolterfoht, R. Hellhammer, Z. Pešić, Cs. Koncz, K. Tőkési and D. Berényi, Fermi-shuttle acceleration of electrons in ion–matter interaction 212 (2003) 32
Sullasi, H.S., M.B. Andrade, W.E.F. Ayta, M. Frade, M.D. Sastry and S. Watanabe, Irradiation for dating Brazilian fish fossil by thermoluminescence and EPR technique 213 (2004) 756
Sullasi, H.S.L., see Sastry, M.D. 213 (2004) 751
Süle, P., M. Menyhárd and K. Nordlund, Does the thermal spike affect low energy ion-induced interfacial mixing? 211 (2003) 524
Sumini, M., see Benzi, V. 213 (2004) 611
Sun, G.M., see Byun, S.H. 213 (2004) 535
Sun, J. and R.P. Gardner, Optimization of the steady neutron source technique for absorption cross section measurement by using an ^{124}Sb–Be neutron source 213 (2004) 22

Sun, K., L.M. Wang, R.C. Ewing and W.J. Weber, Electron irradiation induced phase separation in a sodium borosilicate glass ... 218 (2004) 368
Sun, K., see Jiang, W. ... 218 (2004) 427
Sun, Q., C. Gu, X. Ma and L. Xia, Treatment homogeneity and conformal analysis of plasma based ion implanted 3D target ... 217 (2004) 300
Sun, Y., Z. Zhu, Z. Wang, J. Liu, Y. Jin, M. Hou, Y. Wang and J. Duan, The damage process induced by swift heavy ion in polycarbonate ... 212 (2003) 211
Sun, Y., C. Zhang, Z. Zhu, Z. Wang, Y. Jin, J. Liu and Y. Wang, The thermal-spike model description of the ion-irradiated polyimide ... 218 (2004) 318
Sun, Y.M., see Liu, J. ... 212 (2003) 303
Sun, Y.M., see Zhang, C.H. ... 218 (2004) 53
Sun, Y.M., see Wang, Z.G. ... 218 (2004) 472
Sung, M.C., see Son, J.H. ... 216 (2004) 346
Suni, I., see Höchbauer, T. ... 216 (2004) 257
Suni, I., see Nurmela, A. ... 219–220 (2004) 747
Suni, T., see Höchbauer, T. ... 216 (2004) 257
Suni, T., see Nurmela, A. ... 219–220 (2004) 747
Suominen, P., see Tarvainen, O. ... 217 (2004) 136
Suszynska, M., see Davidson, A.T. ... 218 (2004) 249
Suter, M., see Maden, C. ... 219–220 (2004) 176
Suter, M., see Döbeli, M. ... 219–220 (2004) 415
Suzuki, M., see Kimura, K. ... 211 (2003) 206
Suzuki, M., see Kimura, K. ... 219–220 (2004) 351
Suzuki, M., see Sakai, W. ... 219–220 (2004) 369
Suzuki, M., see Nakajima, K. ... 219–220 (2004) 514
Suzuki, M., A. Takashima, M. Koyama, R. Iijima, T. Ino and M. Takenaka, Characterization of Si(1 0 0)/HfSiON interface ... 219–220 (2004) 851
Suzuki, T., see He, C. ... 211 (2003) 571
Suzuki, T., see Djourelov, N. ... 215 (2004) 83
Suzuki, Y., see Zhu, Z. ... 217 (2004) 449
Švorčík, V., P. Tomášová, B. Dvořánková, V. Hnatowicz, R. Ochsner and H. Ryssel, Fibroblasts adhesion on ion beam modified polyethylene ... 215 (2004) 366
Švorčík, V., K. Ročková, E. Ratajová, J. Heitz, N. Huber, D. Bäuerle, L. Bačáková, B. Dvořánková and V. Hnatowicz, Cell proliferation on UV-excimer lamp modified and grafted polytetrafluoroethylene ... 217 (2004) 307
Synal, H.-A., see Döbeli, M. ... 219–220 (2004) 415
Szelecsényi, F., see Tárkányi, F. ... 211 (2003) 319
Sziki, G., E. Dobos, Z. Kertész, Z. Szikszai, I. Uzonyi and Á.Z. Kiss, A PIN detector array for the determination of boron using nuclear reaction analysis at a nuclear microprobe ... 219–220 (2004) 420
Szíki, G.Á., I. Uzonyi, E. Dobos, I. Rajta, K.T. Biró, S. Nagy and Á. Kiss, A new micro-DIGE set-up for the analysis of light elements ... 219–220 (2004) 508
Szikszai, Z., see Sziki, G. ... 219–220 (2004) 420
Szilagyi, E., see Trimaille, I. ... 219–220 (2004) 914
Szokefalvi, A., see Tripathi, A. ... 212 (2003) 402
Szökefalvi-Nagy, Á., see Srivastava, S.K. ... 219–220 (2004) 364
Szöőr, Gy., see Uzonyi, I. ... 219–220 (2004) 555
Szymonski, M., see Krok, F. ... 212 (2003) 264

Tabatabaian, Z., see Simon, A. ... 219–220 (2004) 405
Tačev, T., G. Grigorov, T. Papírek and V. Kolařík, Remote afterloading for intracavitary and interstitial brachytherapy with californium-252 ... 213 (2004) 626
Tačev, T., V. Strnad and B. Ptáčková, Californium-252 versus conventional gamma radiation in the brachytherapy of advanced cervical carcinoma: comparative treatment results of a 10-year, randomized study ... 213 (2004) 629
Tachikawa, N., see Tominaga, H. ... 213 (2004) 540
Tadey, D., see Mazzei, R.O. ... 218 (2004) 313
Taglauer, E., see Draxler, M. ... 219–220 (2004) 578

Tagliente, G., see Milazzo, P.M. ... 213 (2004) 36
Tagliente, G., see Terlizzi, R. ... 213 (2004) 210
Tagliente, M.A., see de Julián Fernández, C. ... 216 (2004) 245
Tain, J.L., see Milazzo, P.M. ... 213 (2004) 36
Taioli, S., see Colle, R. ... 213 (2004) 65
Takács, S., see Tárkányi, F. ... 211 (2003) 22
Takács, S., F. Tárkányi, A. Hermanne and R. Paviotti de Corcuera, Validation and upgrading of the recommended cross section data of charged particle reactions used for production of PET radioisotopes ... 211 (2003) 169
Takács, S., see Tárkányi, F. ... 211 (2003) 312
Takács, S., see Tárkányi, F. ... 211 (2003) 319
Takács, S., see Hermanne, A. ... 217 (2004) 193
Takács, S., see Tárkányi, F. ... 217 (2004) 373
Takács, S., see Tárkányi, F. ... 217 (2004) 531
Takabayashi, Y., see Azuma, T. ... 212 (2003) 397
Takada, E., see Azuma, T. ... 212 (2003) 397
Takada, K., see Jeong, S.C. ... 212 (2003) 483
Takahara, S., T. Yoshida, T. Tanabe, T. Ii, M. Hirano and M. Okada, Temperature dependence of luminescence from silica glasses under in-reactor and ^{60}Co gamma-ray irradiation ... 218 (2004) 133
Takahashi, J., see Hirota, R. ... 219–220 (2004) 792
Takahashi, S., M. Yoshida, M. Asano, M. Notomi and T. Nakagawa, Characterizations of heavy ion irradiated PET membranes ... 217 (2004) 435
Takai, M., see Ichihara, S. ... 219–220 (2004) 584
Takai, M., see Hayashi, K. ... 219–220 (2004) 589
Takakura, K., see Nakabayashi, M. ... 219–220 (2004) 676
Takakura, K., see Ohyama, H. ... 219–220 (2004) 718
Takamizu, D., see Kawamura, K. ... 218 (2004) 332
Takashima, A., see Suzuki, M. ... 219–220 (2004) 851
Takayama, H., see Hayashi, K. ... 219–220 (2004) 589
Takeda, N., see Kudo, K. ... 213 (2004) 305
Takeda, Y., see Kishimoto, N. ... 218 (2004) 416
Takeda, Y., see Plaksin, O. ... 219–220 (2004) 294
Takeda, Y., J. Lu, O.A. Plaksin, H. Amekura, K. Kono and N. Kishimoto, Optical properties of dense Cu nanoparticle composites fabricated by negative ion implantation ... 219–220 (2004) 737
Takeda, Y., see Kishimoto, N. ... 219–220 (2004) 810
Takeda, Y., see Okubo, N. ... 219–220 (2004) 830
Takeda, Y., see Boldyryeva, H. ... 219–220 (2004) 953
Takenaka, M., see Suzuki, M. ... 219–220 (2004) 851
Takeuchi, Y. and S.Y. Tsai, *CP*, *T* and *CPT* violations in the $K^0 - \overline{K^0}$ system: present status ... 214 (2004) 7
Tan, H.H., see Coelho, A.V.P. ... 218 (2004) 381
Tan, J.N., N.S. Bowden, G. Gabrielse, P. Oxley, A. Speck, C.H. Storry, M. Wessels, D. Grzonka, W. Oelert, G. Schepers, T. Sefzick, J. Walz, H. Pittner, T.W. Hänsch, E.A. Hessels and ATRAP Collaboration, Observations of cold antihydrogen ... 214 (2004) 22
Tan, Z., see Zhao, Y. ... 211 (2003) 211
Tanabe, T., see Muto, S. ... 218 (2004) 117
Tanabe, T., see Takahara, S. ... 218 (2004) 133
Tanabe, T., see Yoshida, T. ... 218 (2004) 202
Tandon, P.N., see Singh, Y.P. ... 212 (2003) 72
Tanemura, M., see Chini, T.K. ... 212 (2003) 477
Tanemura, M., H. Yamauchi, Y. Yamane, T. Okita and S. Tanemura, Controlled fabrication of Mo-seededSi microcones by Ar^+-ion bombardment ... 215 (2004) 137
Tanemura, S., see Tanemura, M. ... 215 (2004) 137
Tang, D., see Shao, L. ... 219–220 (2004) 303
Tang, M., see Valdez, J.A. ... 218 (2004) 103
Tanihata, I., see Ishida, Y. ... 219–220 (2004) 468
Tanner, J., see Reinert, T. ... 219–220 (2004) 77
Tapfer, L., see de Julián Fernández, C. ... 216 (2004) 245

Tardío, M., R. Ramírez, R. González, J.V. Pinto, R.C. da Silva, E. Alves and Y. Chen, Electrical conductivity of as-grown and oxidized MgO:Li crystals implanted with Li ions 218 (2004) 164
Tárkányi, F., S. Takács, A. Hermanne, F. Ditrói, L. Andó, S.-J. Heselius and J. Bergman, New experimental data on excitation functions for practical applications of alpha induced nuclear reactions on Ta up to 30 MeV 211 (2003) 22
Tárkányi, F., see Takács, S. 211 (2003) 169
Tárkányi, F., F. Ditrói and S. Takács, Excitation functions of ^{3}He-particle induced nuclear reaction on iron 211 (2003) 312
Tárkányi, F., S. Takács, F. Szelecsényi, F. Ditrói, A. Hermanne and M. Sonck, Excitation functions of deuteron induced nuclear reactions on natural tungsten up to 50 MeV 211 (2003) 319
Tárkányi, F., see Hermanne, A. 217 (2004) 193
Tárkányi, F., A. Hermanne, S. Takács, F. Ditrói, A.I. Dityuk and Yu.N. Shubin, Excitation functions for production of radioisotopes of niobium, zirconium and yttrium by irradiation of zirconium with deuterons 217 (2004) 373
Tárkányi, F., S. Takács, F. Ditrói, A. Hermanne, M. Sonck and Yu. Shubin, Excitation functions of deuteron induced nuclear reactions on natural zinc up to 50 MeV 217 (2004) 531
Tartari, A., see Fernández, J.E. ..... 213 (2004) vii
Tartari, A., A. Da Re, C. Bonifazzi and M. Marziani, Energy spectra measurements of X-ray emission from electron interaction in a dense plasma focus device 213 (2004) 206
Tartari, A., see Bonifazzi, C. 213 (2004) 231
Tartari, A., A. Da Re, F. Mezzetti, E. Angeli and P. De Chiara, Feasibility of X-ray interstitial radiosurgery based on plasma focus device 213 (2004) 607
Tartari, A., see Bonifazzi, C. 213 (2004) 707
Tartari, A., see Bonifazzi, C. 213 (2004) 712
Tarus, J. and K. Nordlund, Molecular dynamics study on Si_{50} cluster deposition on Si(0 0 1) 212 (2003) 281
Tarvainen, O., P. Suominen and H. Koivisto, Effect of the gas mixing technique on the production efficiency of ion beams extracted from an electron cyclotron resonance ion source 217 (2004) 136
Tassan-Got, L., see Milazzo, P.M. 213 (2004) 36
Tavares, O.A.P., see Deppman, A. 211 (2003) 15
Tavenner, E., see Wang, Y.Q. 219–220 (2004) 798
Tavlet, M., see Schönbacher, H. 217 (2004) 77
Tavora, L.M.N. and W.B. Gilboy, Study of Compton scattering signals in single-sided imaging applications using Monte Carlo methods 213 (2004) 155
Tawara, H., see Shevelko, V.P. 211 (2003) 460
Tayloe, R., see Bassalleck, B. 214 (2004) 167
Teichert, C., see Hofer, C. 216 (2004) 178
Teichert, S., see Chaudhuri, S. 217 (2004) 589
Teixeira, A.C., see Araújo, M.F. 213 (2004) 741
Teixeira, E.C., C.D. Streck, C.F. Braga, M.L. Yoneama and J.F. Dias, A PIXE study of elements transport in fluvial waters in the Candiota region, Rio Grande do Sul, Brazil 215 (2004) 203
Teixeira, M.I. and L.V.E. Caldas, Sintered sand pellets for high-dose dosimetry 218 (2004) 194
Tejeda, S., see Martinez, T. 213 (2004) 584
Tello Saenz, C.A., see Guedes, S. 217 (2004) 627
Teodori, F., see Molinari, V.G. 213 (2004) 75
Teodori, F., see Molinari, V. 213 (2004) 112
Tepedino, V., see Balzan, S. 219–220 (2004) 72
Teplova, Ya.A., see Novikov, N.V. 212 (2003) 96
Terasawa, M., Z.A. Insepov, T. Sekioka, A.A. Valuev and T. Mitamura, Sputtering due to Coulomb explosion in highly charged ion bombardment 212 (2003) 436
Terlizzi, R., see Milazzo, P.M. 213 (2004) 36
Terlizzi, R., N. Colonna, E. Bisceglie, P. Colangelo, S. Marrone, A. Rainò, G. Tagliente and V. Variale, Feasibility of an epithermal neutron source for BNCT based on RFQ accelerator 213 (2004) 210
Terrasi, A., see Mirabella, S. 216 (2004) 80
Terrasi, A., see De Salvador, D. 216 (2004) 286
Terreni, S., see Pasquali, L. 212 (2003) 274
Tesfamichael, T., G. Will, I. Kelly and J. Bell, Analysis of nitrogen implanted tin oxide films used in dye-sensitised solar cells 217 (2004) 97
Tesmer, J.R., see Vizkelethy, G. ..... 219–220 (2004) vii

Tesmer, J.R., see Banks, J.C. ... 219–220 (2004) 444
Tesmer, J.R., see Lucca, D.A. ... 219–220 (2004) 611
Tessaro, M., see Bisello, D. ... 219–220 (2004) 1000
Testera, G., see Fujiwara, M.C. ... 214 (2004) 11
Testera, G., see Bonomi, G. ... 214 (2004) 17
Testoni, G., see Baldazzi, G. ... 213 (2004) 223
Thakur, A.D., see Wanchoo, S.K. ... 212 (2003) 539
Thangaraj, R., see Singh Kamboj, M. ... 211 (2003) 369
Thanh, N.D., see Borsaru, M. ... 213 (2004) 422
the BESS-Polar Collaboration, see Nozaki, M. ... 214 (2004) 110
the E835 Collaboration, see Bettoni, D. ... 214 (2004) 56
The n_TOF Collaboration, see Colonna, N. ... 213 (2004) 49
the PANDA Collaboration, see Koch, H. ... 214 (2004) 50
Theron, C., see Meyer, K.A. ... 219–220 (2004) 751
Thevenard, P., see Canut, B. ... 218 (2004) 487
Thevuthasan, S., see Zhang, Y. ... 218 (2004) 89
Thevuthasan, S., see Vizkelethy, G. ... 219–220 (2004) vii
Thevuthasan, S., see Smith, R.J. ... 219–220 (2004) 631
Thevuthasan, S., see Jiang, W. ... 219–220 (2004) 642
Thevuthasan, S., see Zhang, Y. ... 219–220 (2004) 647
Thomé, L., see Gentils, A. ... 218 (2004) 457
Thomé, L., A. Gentils, J. Jagielski, S.E. Enescu and F. Garrido, On the use of the $^{16}O(^4He,^4He)^{16}O$ resonance for the evaluation of radiation damage in oxides ... 219–220 (2004) 99
Thomé, L., see Garrido, F. ... 219–220 (2004) 196
Thomé, L., see Pantelica, D. ... 219–220 (2004) 373
Thomé, L., see Jagielski, J. ... 219–220 (2004) 626
Thomas, J.-P., see Nsouli, B. ... 219–220 (2004) 181
Thomas, R., see Sandström, J. ... 217 (2004) 513
Thompson, A.K., see Dzhosyuk, S.N. ... 217 (2004) 457
Thompson, D.C., H.C. Kim, T.L. Alford and J.W. Mayer, Ion beam analysis applied to new and innovative technologies ... 219–220 (2004) 968
Thompson, P.E., see Shao, L. ... 219–220 (2004) 938
Thompson, R.T., see Morgan, G.L. ... 211 (2003) 297
Thýn, J. and R. Žitný, Radiotracer applications for the analysis of complex flow structure in industrial apparatuses ... 213 (2004) 339
Tian, S., Accurate Monte Carlo simulation of fluorine and BF_2 ion implantation into crystalline silicon ... 215 (2004) 403
Tickner, J., Simulating nuclear particle transport in stochastic media using Perlin noise functions ... 213 (2004) 124
Tickner, J. and G. Roach, Characterisation of coal and minerals using Compton profile analysis ... 213 (2004) 507
Tiedje, T., see Wei, P. ... 219–220 (2004) 671
Timmers, H., K. Stenström, M. Graczyk and H.J., Whitlow, Energy loss measurements for mass-14 ions using a patterned stopping medium on a PIN diode ... 219–220 (2004) 263
Timmers, H., see Elliman, R.G. ... 219–220 (2004) 410
Timmers, H., see Weijers, T.D.M. ... 219–220 (2004) 680
Timmers, H., see Shrestha, S.K. ... 219–220 (2004) 686
Tipnis, S.V., see Nagarkar, V.V. ... 213 (2004) 250
Tipnis, S.V., see Nagarkar, V.V. ... 213 (2004) 476
Tisserand, R., M. Rebetez, M. Grivet, S. Bouffard, A. Benyagoub, F. Levesque and J. Carpena, Comparative amorphization quantification of two apatitic materials irradiated with heavy ions using XRD and RBS results ... 215 (2004) 129
Titov, A.I., V.S. Belyakov and A.Yu. Azarov, Formation of surface amorphous layers in semiconductors under low-energy light-ion irradiation: Experiment and theory ... 212 (2003) 169
Tiwari, U., see Mohanty, T. ... 212 (2003) 179
Tiwari, U., see Kumar, S. ... 212 (2003) 238
Tiwari, U., see Nageswara Rao, S.V.S. ... 212 (2003) 473
Tixier, S., see Wei, P. ... 219–220 (2004) 671
Tohno, S., see Ma, C.-J. ... 215 (2004) 501
Tohno, S., see Ma, C.-J. ... 217 (2004) 657

Tok, E.S., see Lau, G.S. ... 215 (2004) 76
Tökési, K., see Sulik, B. ... 212 (2003) 32
Tolk, N.H., see Feldman, L.C. ... 212 (2003) 1
Tolkki, A., see Nurmela, A. ... 219–220 (2004) 747
Tolstikhina, I.Yu., see Shevelko, V.P. ... 211 (2003) 460
Tolstogouzov, A., S. Daolio and C. Pagura, MARISS study on ion yields of Ne^+ scattered from III–V compound semiconductors ... 217 (2004) 246
Tomar, B.S., see Tripathi, R. ... 211 (2003) 138
Tomášová, P., see Švorčík, V. ... 215 (2004) 366
Tomatis, S., see Gambarini, G. ... 213 (2004) 321
Tombrello, T.A., see Shapiro, M.H. ... 217 (2004) 253
Tominaga, H., F. Imadate, J. Kawabata, N. Tachikawa, H. Sasaki and H. Yoshida, Development of an oil-in-soil meter using neutron moderation and microwave attenuation ... 213 (2004) 540
Tomozeiu, N., see Arnoldbik, W.M. ... 219–220 (2004) 312
Tondeur, F., I. Gerardy, J. Guillaume and M. Van Dycke, Dosimetric control of ^{90}Sr–^{90}Y source trains for endovascular brachytherapy by radiochromic film ... 213 (2004) 658
Tonner, B., see Braunstein, G. ... 219–220 (2004) 358
Torii, H.A., see Sakaguchi, J. ... 214 (2004) 89
Torii, H.A., see Juhász, B. ... 214 (2004) 98
Tosaki, M., see Ogawa, H. ... 212 (2003) 27
Tosaki, M., D. Ohsawa and Y. Isozumi, Experimental energy straggling of protons in inhomogeneous materials ... 219–220 (2004) 241
Toscano-Jimenez, M. and R. Garcia-Tenorio, Modelling the dispersion of ^{137}Cs in marine ecosystems with Monte Carlo methods ... 213 (2004) 779
Tosi, G., see Casali, F. ... 213 (2004) 616
Touboltsev, V., see Andersen, H.H. ... 212 (2003) 56
Toubon, H., see Mariani, A. ... 211 (2003) 389
Toulemonde, M., W. Assman, C. Trautman, F. Gruner, H.D. Mieskes, H. Kucal and Z.G. Wang, Electronic sputtering of metals and insulator by swift heavy ions ... 212 (2003) 346
Toulemonde, M., C. Trautmann, E. Balanzat, K. Hjort and A. Weidinger, Track formation and fabrication of nanostructures with MeV-ion beams ... 216 (2004) 1
Toulemonde, M., see El-Said, A.S. ... 218 (2004) 492
Townsend, P.D., see Yang, B. ... 211 (2003) 577
Townsend, P.D., see Yang, B. ... 217 (2004) 60
Toyoda, N., J. Matsuo and I. Yamada, Surface modification with gas cluster ion beams from fundamental characteristics to applications ... 216 (2004) 379
Toyoda, N., see Matsuo, J. ... 219–220 (2004) 463
Traci, A., see Labanti, C. ... 213 (2004) 260
Trassl, R., see Hathiramani, D. ... 212 (2003) 67
Trautmann, C., see Liu, J. ... 212 (2003) 303
Trautmann, C., see Toulemonde, M. ... 212 (2003) 346
Trautmann, C., see Andersen, H.H. ... 215 (2004) 1
Trautmann, C., see Andersen, H.H. ... 215 (2004) 3
Trautmann, C., see Toulemonde, M. ... 216 (2004) 1
Trautmann, C., see El-Said, A.S. ... 218 (2004) 492
Trautmann, D., see Singh, Y.P. ... 212 (2003) 72
Tribedi, L.C., see Singh, Y.P. ... 212 (2003) 72
Trifoglio, M., see Labanti, C. ... 213 (2004) 260
Trifonov, N.N., see Kurnaev, V.A. ... 212 (2003) 270
Trimaille, I., see Ganem, J.-J. ... 219–220 (2004) 856
Trimaille, I., J.-J. Ganem, I.C. Vickridge, S. Rigo, G. Battistig, E. Szilagyi, I.J. Baumvol, C. Radtke and F.C. Stedile, Thermal oxidation of 6H-SiC studied by oxygen isotopic tracing and narrow nuclear resonance profiling ... 219–220 (2004) 914
Tripathi, A., S.A. Khan, S.K. Srivastava, M. Kumar, S. Kumar, S.V.S.N. Rao, G.B.V.S. Lakshmi, A.M. Siddiqui, N. Bajwa, H.S. Nagaraja, V.K. Mittal, A. Szokefalvi, M. Kurth, A.C. Pandey, D.K. Avasthi and H.D. Carstanjen, Electronic sputtering from HOPG: A study of angular dependence ... 212 (2003) 402
Tripathi, A., see Ghosh, S. ... 212 (2003) 431

Tripathi, A., see Nageswara Rao, S.V.S. ... 212 (2003) 545
Tripathi, A., O. Kruse and H.D. Carstanjen, Measurement of very low bulk concentrations (below 1 ppm) of hydrogen using ERDA ... 219–220 (2004) 435
Tripathi, A., see Ghosh, S. ... 219–220 (2004) 973
Tripathi, R., A.K. Pandey, S. Sodaye, B.S. Tomar, S.B. Manohar, S. Santra, K. Mahata, P. Singh and S. Kailas, Backscattering spectrometry studies on metal ion distribution in polymer inclusion membranes ... 211 (2003) 138
Tripura Sundari, S., Optical absorption in Ar^+ irradiated silicon studied through spectroscopicellipsometry ... 215 (2004) 157
Trofimov, I.V., see Trofimov, V.I. ... 216 (2004) 334
Trofimov, V.I., I.V. Trofimov and J.-I. Kim, Finite size effects in phase transformation kinetics in thin films and surface layers ... 216 (2004) 334
Trompetter, W.J., see Markwitz, A. ... 217 (2004) 583
Trotta, C., see Pani, R. ... 213 (2004) 197
Trotta, G., see Pani, R. ... 213 (2004) 197
Trouslard, Ph., see Beck, L. ... 219–220 (2004) 394
Trouslard, Ph., see Pellegrino, S. ... 219–220 (2004) 140
Trubnikov, G., see Meshkov, I.N. ... 214 (2004) 186
Trzcińska, A., J. Jastrzębski, P. Lubiński, F.J. Hartmann, R. Schmidt, T. von Egidy and B. Klos, Information on the nuclear periphery deduced from the properties of heavy antiprotonic atoms ... 214 (2004) 157
Tsai, S.Y., see Takeuchi, Y. ... 214 (2004) 7
Tsamis, C., see Skarlatos, D. ... 216 (2004) 75
Tsoukalas, D., see Skarlatos, D. ... 216 (2004) 75
Tsoukalas, D., see Normand, P. ... 216 (2004) 228
Tsuchiya, B., S. Nagata and T. Shikama, Oxygen ion-induced detrapping of hydrogen retained in graphite ... 212 (2003) 426
Tuffanelli, A., see Baldazzi, G. ... 213 (2004) 603
Tultaev, A.V., see Yuminov, O.A. ... 212 (2003) 516
Tuniz, C., U. Zoppi and M.A.C. Hotchkis, Sherlock Holmes counts the atoms ... 213 (2004) 469
Turnau, K., see Przybyłowicz, W.J. ... 219–220 (2004) 57
Turos, A., see Nageswara Rao, S.V.S. ... 212 (2003) 442
Turos, A., J. Gaca, M. Wojcik, L. Nowicki, R. Ratajczak, R. Groetzschel, F. Eichhorn and N. Schell, Virtues and pitfalls in structural analysis of compound semiconductors by the complementary use of RBS/channeling and high resolution X-ray diffraction ... 219–220 (2004) 618
Turos, A., see Nowicki, L. ... 219–220 (2004) 666
Tuy, N.T., see Borsaru, M. ... 213 (2004) 422
Tyrroff, H., see Kentsch, U. ... 216 (2004) 196
Tzika, F. and I.E. Stamatelatos, Thermal neutron self-shielding correction factors for large sample instrumental neutron activation analysis using the MCNP code ... 213 (2004) 177

Überall, H., see Chouffani, K. ... 211 (2003) 281
Ueda, Y., H. Kumagai, T. Meguro, K. Midorikawa and M. Obara, Optogalvanic spectroscopy of silicon atoms ... 215 (2004) 419
Uggerhøj, U.I., see Maggiore, C. ... 214 (2004) 181
Uglov, V.V., see Cherenda, N.N. ... 211 (2003) 219
Uglov, V.V., see Cherenda, N.N. ... 216 (2004) 340
Uguzzoni, A., see Drozdov, V.A. ... 212 (2003) 501
Uhrmacher, M., see Dietrich, M. ... 216 (2004) 110
Ulin, S., see Ottini-Hustache, S. ... 213 (2004) 279
Ullmann, F., see Kentsch, U. ... 216 (2004) 196
Ulyusov, P.V., see Khairulin, R.A. ... 215 (2004) 353
Umeda, N., see Kishimoto, N. ... 218 (2004) 416
Umeda, N., see Kishimoto, N. ... 219–220 (2004) 810
Umeda, N., see Boldyryeva, H. ... 219–220 (2004) 953
Umesh, T.K., see Mallikarjuna, M.L. ... 215 (2004) 4
Ünver-Saraydın, S., see Saraydın, D. ... 217 (2004) 281
Urban, S., see Hedler, A. ... 218 (2004) 337
Uritani, A., see Kudo, K. ... 213 (2004) 305

Uršič, M., M. Kavčič and M. Budnar, Second order radiative contributions in the $K\beta_{1,3}$ X-ray spectra of 3d transition metals and their dependence on the chemical state of the element ... 211 (2003) 7
Uršič, M., see Budnar, M. ... 219–220 (2004) 41
Urusov, V.A., see Kurnaev, V.A. ... 212 (2003) 270
Uskov, D.B., see Hathiramani, D. ... 212 (2003) 67
Uzonyi, I., see Sziki, G. ... 219–220 (2004) 420
Uzonyi, I., see Szíki, G.Á. ... 219–220 (2004) 508
Uzonyi, I., Gy. Szöör, P. Rózsa, B. Vekemans, L. Vincze, F. Adams, M. Drakopoulos, A. Somogyi and Á.Z. Kiss, Characterization of impact materials around Barringer Meteor Crater by micro-PIXE and micro-SRXRF techniques ... 219–220 (2004) 555

Vacík, J., H. Naramoto, K. Narumi, S. Yamamoto and H. Abe, Study of the nickel-fullerene nano-structured thin films ... 219–220 (2004) 862
Vacik, J., H. Naramoto, S. Yamamoto and K. Narumi, Epitaxial re-crystallization of the Ni/MgO(0 0 1) interfaces ... 219–220 (2004) 867
Vaishnav, U.D., see Satpati, B. ... 212 (2003) 157
Vaishnav, U.D., see Wanchoo, S.K. ... 212 (2003) 539
Valdez, J.A., M. Tang, Z. Chi, M.I. Peters and K.E. Sickafus, Characterization of an ion irradiation induced phase transformation in monoclinic zirconia ... 218 (2004) 103
Valenzuela, T., see Quint, W. ... 214 (2004) 207
Valerio, M.E.G., see Jackson, R.A. ... 218 (2004) 42
Valerio, M.E.G., see Souza, D.N. ... 218 (2004) 123
Valerio, M.E.G., see Jackson, R.A. ... 218 (2004) 145
Valerio, M.E.G., see Macedo, Z.S. ... 218 (2004) 153
Valerio, M.E.G., see Melo, A.P. ... 218 (2004) 198
Valerio, M.E.G., see Amaral, J.B. ... 218 (2004) 232
Valerio, M.E.G., see de Magalhães, C.M.S. ... 218 (2004) 277
Valković, V., see Blagus, S. ... 213 (2004) 434
Valković, V., see Obhođaš, J. ... 213 (2004) 445
Valli, G., see Chiari, M. ... 219–220 (2004) 166
Valli, M., see Labanti, C. ... 213 (2004) 260
Valuev, A.A., see Terasawa, M. ... 212 (2003) 436
van Buuren, L.D., see Schleier-Smith, M.H. ... 215 (2004) 531
van den Berg, J.A., see Werner, M. ... 216 (2004) 67
Van Den Berg, J.A., see Normand, P. ... 216 (2004) 228
van den Broek, R., see Simon, A. ... 219–220 (2004) 405
van der Heide, P.A.W., see Shao, L. ... 219–220 (2004) 938
van der Meer, K., M.B. Goldberg, E.H. Lehmann, H. Aït Abderrahim, D. Bar, D. Berkovits, M. Daum, S. Dekelver, Y. Foucher, J. Gerber, F. Van Gestel, W. Hajdas, H.-P. Linder, E. Malambu, I. Mardor, J. Oeyen, D. Saphier, A. Shor, M. Willekens and Y. Yariv, Spallation yields of neutrons produced in thick lead/bismuth targets by protons at incident energies of 420 and 590 MeV ... 217 (2004) 202
van der Werf, D.P., see Fujiwara, M.C. ... 214 (2004) 11
van der Werf, D.P., see Bonomi, G. ... 214 (2004) 17
Van Dycke, M., see Tondeur, F. ... 213 (2004) 658
Van Gestel, F., see van der Meer, K. ... 217 (2004) 202
van Gog, H., see Schut, H. ... 216 (2004) 251
van Gog, H., see van Veen, A. ... 216 (2004) 264
van Huis, M.A., A. van Veen, H. Schut, S.W.H. Eijt, B.J. Kooi and J.Th.M. De Hosson, Formation of CdSe nanoclusters in MgO by ion beam synthesis ... 216 (2004) 121
van Huis, M.A., A. van Veen, F. Labohm, A.V. Fedorov, H. Schut, B.J. Kooi and J.Th.M. De Hosson, Formation, growth and dissociation of He bubbles in Al_2O_3 ... 216 (2004) 149
van Huis, M.A., see Schut, H. ... 216 (2004) 251
van Huis, M.A., van Veen, A., H. Schut, B.J. Kooi, J.Th.M. De Hosson, X.S. Du, T. Hibma and R. Fromknecht, Formation and dissociation of Zn nanoclusters in MgO ... 216 (2004) 390
van Huis, M.A., A. van Veen, H. Schut, S.W.H. Eijt, B.J. Kooi and J.Th.M. De Hosson, Electron microscopy and positron annihilation study of CdSe nanoclusters embedded in MgO ... 218 (2004) 410

Van Rinsvelt, H.A., see Luta, A.M. 215 (2004) 223
van Veen, A., see van Huis, M.A. 216 (2004) 121
van Veen, A., see van Huis, M.A. 216 (2004) 149
van Veen, A., see Schut, H 216 (2004) 251
van Veen, A., A. Rivera, H. Schut and H. van Gog, Buried silicon dioxide formation in a precursor nanocavity layer in Si 216 (2004) 264
van Veen, A., see van Huis, M.A. 216 (2004) 390
van Veen, A., see Escobar Galindo, R. 217 (2004) 262
van Veen, A., see Evans, J.H. 217 (2004) 276
van Veen, A., see van Huis, M.A. 218 (2004) 410
Vandervorst, W., see Werner, M. 216 (2004) 67
Vandervorst, W., see Dollinger, G. 219–220 (2004) 333
Vanni, L., see Francisco, D.H. 218 (2004) 461
Vargas, M.J., A. Fernández Timón, E. García-Toraño and A. Martín Sánchez, Application of ion transport simulation to the backscattering in α-particle sources 213 (2004) 129
Variale, V., see Terlizzi, R. 213 (2004) 210
Variola, A., see Fujiwara, M.C. 214 (2004) 11
Variola, A., see Bonomi, G. 214 (2004) 17
Varma, D., see Kumar, S. 212 (2003) 238
Varma, S., see Dey, S. 212 (2003) 146
Varma, S., see Dey, S. 212 (2003) 228
Vázquez-López, C., see Rojas-Rodriguez, I. 215 (2004) 537
Vecchi, R., see Chiari, M. 219–220 (2004) 166
Vekemans, B., see Uzonyi, I. 219–220 (2004) 555
Velitchkova, K., see Djourelov, N. 215 (2004) 83
Venkatesan, T., see Kulkarni, V.N. 219–220 (2004) 902
Ventura, L., see Cayrel, F. 216 (2004) 291
Ventura, M.G., see do Carmo Freitas, M. 219–220 (2004) 153
Verbakel, W., see Moss, R.L. 213 (2004) 633
Vercellin, E., see Arnaldi, R. 213 (2004) 284
Verda, R.D., see Nastasi, M. 219–220 (2004) 604
Verdú, J., see Quint, W. 214 (2004) 207
Verma, K.C., see Kumar, R. 212 (2003) 221
Verma, K.C., see De, U. 212 (2003) 505
Verma, S., see De, U. 212 (2003) 505
Veryovkin, I.V., S.F. Belykh, A. Adriaens and F. Adams, Sputtering with polyatomic ions: revisiting kinetic energy distributions of secondary ions 219–220 (2004) 215
Veryovkin, I.V., W.F., Calaway, J.F. Moore, M.J. Pellin and D.S. Burnett, A new time-of-flight instrument for quantitative surface analysis 219–220 (2004) 473
Veryovkin, I.V., W.F. Calaway and M.J. Pellin, Calculating time-of-flight spectra of post-ionized sputtered neutrals 219–220 (2004) 1051
Vetter, U., see Dietrich, M. 216 (2004) 110
Vickridge, I.C., see Ganem, J.-J. 219–220 (2004) 856
Vickridge, I.C., see Trimaille, I. 219–220 (2004) 914
Vié, M., see Girard, S. 215 (2004) 187
Vieira, A., see Öhl, G. 211 (2003) 265
Vieira, A., see Barradas, N.P. 219–220 (2004) 105
Vieira, J.M., see Alves, E. 219–220 (2004) 933
Vieira, J.W., R. Kramer and F.R.A. Lima, Calculation of effective dose from external exposure to photons for the Male Adult voXel (MAX) phantom 213 (2004) 654
Viesti, G., see Obhodaš, J. 213 (2004) 445
Viesti, G., see Fioretto, E. 213 (2004) 457
Viesti, G., see Lunardon, M. 213 (2004) 544
Vignati, M., see Casali, F. 213 (2004) 616
Vijay, Y.K., see Kumar, R. 212 (2003) 221
Vijayan, V., see Mohanty, A.K. 211 (2003) 145
Vijayan, V., see Nayak, P.K. 215 (2004) 252

Vila, M., C. Prieto, J. García-López and M.A. Respaldiza, Influence of the target and working gas on the composition of silicon nitride thin films prepared by reactive RF-sputtering 211 (2003) 199
Vilensky, A.I., D.L. Zagorski, P.Yu. Apel, N.V. Pervov, B.V. Mchedlishvili, V.N. Popok and N.N. Mel'nik, Thermal regression of latent tracks in the polymer irradiated by high energy heavy ions 218 (2004) 294
Villar, E., see Suarez, S.M. 213 (2004) 784
Vinante, C.M., see Erramli, H. 211 (2003) 155
Vincent, L., see Cayrel, F. 216 (2004) 291
Vincze, L., see Vittiglio, G. 213 (2004) 693
Vincze, L., see Uzonyi, I. 219–220 (2004) 555
Vinnichenko, M., see Kreissig, U. 219–220 (2004) 908
Vinodkumar, M., K.N. Joshipura, C.G. Limbachiya and B.K. Antony, Electron impact ionization of H_2O molecule in crystalline ice 212 (2003) 63
Vishnyakov, V.M., see Zhang, C.H. 218 (2004) 53
Visser, J., see Mous, D.J.W. 219–220 (2004) 480
Visser, J., see Mous, D.J.W. 219–220 (2004) 490
Vittiglio, G., S. Bichlmeier, P. Klinger, J. Heckel, W. Fuzhong, L. Vincze, K. Janssens, P. Engström, A. Rindby, K. Dietrich, D. Jembrih-Simbürger, M. Schreiner, D. Denis, A. Lakdar and A. Lamotte, A compact μ-XRF spectrometer for (in situ) analyses of cultural heritage and forensic materials 213 (2004) 693
Vittone, E., Theory of ion beam induced charge measurement in semiconductor devices based on the Gunn's theorem 219–220 (2004) 1043
Vives, R., see Ferrero, J.L. 213 (2004) 729
Vizkelethy, G., F.D. McDaniel, S. Thevuthasan and J.R. Tesmer, Editorial ..... 219–220 (2004) vii
Vizkelethy, G., see Rossi, P. 219–220 (2004) 327
Vlachoudis, V., see Milazzo, P.M. 213 (2004) 36
Vlastou, R., see Kokkoris, M. 219–220 (2004) 226
Vlček, Mil., see Wágner, T. 219–220 (2004) 875
Vocca, H., see Codino, A. 211 (2003) 107
Vogel, M., see Quint, W. 214 (2004) 207
Vogt, J., see Reinert, T. 219–220 (2004) 77
Vogt, J., see Menzel, F. 219–220 (2004) 82
Vogt, J., see Spemann, D. 219–220 (2004) 891
Voiculescu, D., see Innegraeve, O. 219–220 (2004) 191
Voitsekhovskii, A.V., A.P. Kokhanenko, S.A. Shulga and R. Smith, Spatial distribution profiles of defects in mercury cadmium telluride after ion implantation 215 (2004) 109
Volchek, A.O., V.M. Lisitsyn, A.I. Gusarov, V.Yu. Yakovlev and V.I. Arbuzov, Transient optical transmission changes induced by pulsed electron radiation in commercial crown silicate glasses 211 (2003) 100
Vomiero, A., S. Modena, G.D. Soraru, R. Raj, Y. Blum and G. Della Mea, Investigation on the oxidation process of SiCO glasses by the means of non-Rutherford backscattering spectrometry 211 (2003) 401
von Bohlen, A., H. Krzyżanowska and R. Klockenkämper, A broad beam ion source used for planar sputter-etching of shallow layers from flat samples and determination of their mass density 217 (2004) 158
von Borany, J., see Pilz, W. 219–220 (2004) 459
von Egidy, T., see Trzcińska, A. 214 (2004) 157
von Känel, H., see Seng, H.L. 215 (2004) 235
Voorbraak, W., see Moss, R.L. 213 (2004) 633
Vorobyova, I.V. and J. Kopniczky, Track formation on LiF single crystal surface induced by high-energy Xe ions 211 (2003) 374
Voronin, A.Yu. and J. Carbonell, Hydrogen–antihydrogen atomic interaction at subKelvin temperatures 214 (2004) 139
Voronina, E., D. Guy and T. Miyanaga, Thickness effect correction in XAFS-spectroscopy: Temperature measurement approach 215 (2004) 525
Voss, K.-O., see Müller, C. 212 (2003) 318
Vukanić, J. and R. Simović, Scaling properties in single collision model of light ion reflection 215 (2004) 337

Wach, R.A., H. Mitomo, N. Nagasawa and F. Yoshii, Radiation crosslinking of methylcellulose and hydroxyethylcellulose in concentrated aqueous solutions 211 (2003) 533
Wada, M. and Y. Yamazaki, Technical developments toward antiprotonic atoms for nuclear structure studiesof radioactive nuclei 214 (2004) 196

Wada, M., see Ishida, Y. 219–220 (2004) 468
Wagner, B., see Proost, K. 213 (2004) 723
Wagner, G.A., see Lang, M. 218 (2004) 466
Wágner, T., T. Kohoutek, V. Perina, A. Mackova, V. Hnatowitz, Th. Wagner, S.O. Kasap, M. Krbal, M. Frumar and Mil. Vlček, Rutherford backscattering spectroscopy of amorphous films of Ag–As–S system prepared by spin-coating technique 219–220 (2004) 875
Wagner, Th., see Wágner, T. 219–220 (2004) 875
Wagner, W., see Grigoryan, L.Sh. 212 (2003) 51
Wahl, U., see Dietrich, M. 216 (2004) 110
Waksman, S.Y., see Roumié, M. 215 (2004) 196
Wallman, L., see Auzelyte, V. 219–220 (2004) 485
Walter, G., see Stahl, B. 211 (2003) 227
Walter, P., see Dran, J.-C. 219–220 (2004) 7
Walukiewicz, W., see Yu, K.M. 219–220 (2004) 636
Walz, J., see Tan, J.N. 214 (2004) 22
Wampler, W.R., see Browning, J.F. 219–220 (2004) 317
Wampler, W.R., see Knapp, J.A. 219–220 (2004) 440
Wampler, W.R., see Banks, J.C. 219–220 (2004) 444
Wampler, W.R., Ion beam analysis for fusion energy research 219–220 (2004) 836
Wanchoo, S.K., J. Jasudasan, V.C. Bagwe, A.D. Thakur, U.D. Vaishnav, S.P. Pai, A.M. Narsale and R. Pinto, Synthesis of good quality LCMO/YBCO heterostructures by pulsed laser deposition technique 212 (2003) 539
Wang, C., see Shao, L. 219–220 (2004) 303
Wang, C.M., see Weber, W.J. 216 (2004) 25
Wang, F.-X., F. Chen, X.-L. Wang, Q.-M. Lu, K.-M. Wang, D.-Y. Shen, H.-J. Ma and R. Nie, Fabrication of optical waveguides in $KTiOAsO_4$ by He or Si ion implantation 215 (2004) 389
Wang, J.P., see Sheu, R.J. 217 (2004) 555
Wang, J.U., see Barradas, N.P. 219–220 (2004) 742
Wang, K.-M., see Fu, G. 211 (2003) 346
Wang, K.-M., see Wang, F.-X. 215 (2004) 389
Wang, L., see Zhou, Q. 215 (2004) 577
Wang, L., see Lu, T. 218 (2004) 111
Wang, L.M., see Wang, Z.G. 211 (2003) 239
Wang, L.M., see Wang, Z.G. 215 (2004) 436
Wang, L.M., see Lian, J. 218 (2004) 236
Wang, L.M., see Sun, K. 218 (2004) 368
Wang, L.M., see Jiang, W. 218 (2004) 427
Wang, Q., H. Ishikawa, H. Ogiso, S. Nakano and J. Akedo, Effects of substrate temperature during implantation on the mechanical properties of ion-implanted silicon 217 (2004) 598
Wang, X., J. Liu, X. Lu, L. Shao, H. Chen and W.-K. Chu, Boron cluster ions from source of negative ions by cesium sputtering 215 (2004) 278
Wang, X., see Shao, L. 219–220 (2004) 938
Wang, X.-L., see Fu, G. 211 (2003) 346
Wang, X.-L., see Wang, F.-X. 215 (2004) 389
Wang, X.M., see Chen, H. 211 (2003) 1
Wang, Y., see Sun, Y. 212 (2003) 211
Wang, Y., see Zhou, Q. 215 (2004) 577
Wang, Y., see Ding, F.-R. 217 (2004) 572
Wang, Y., see Sun, Y. 218 (2004) 318
Wang, Y.Q., Hydrogen standards in elastic recoil detection analysis 219–220 (2004) 115
Wang, Y.Q., see Banks, J.C. 219–220 (2004) 444
Wang, Y.Q., M. Curry, E. Tavenner, N. Dobson and R.E. Giedd, Ion beam modification and analysis of metal/polymer bi-layer thin films 219–220 (2004) 798
Wang, Z., M.-S. Park, J.E. Gillberg and C.R. Wie, Cell structure and saturation effects of radiation-hardened power VDMOSFET devices under extreme dose X-ray irradiation 211 (2003) 251
Wang, Z., see Sun, Y. 212 (2003) 211
Wang, Z., see Sun, Y. 218 (2004) 318

Wang, Z.G., X.T. Zu, L.J. Liu, S. Zhu, Y. Huo, L.B. Lin, X.D. Feng and L.M. Wang, Effect of 18 MeV proton irradiation on the R-phase transformation in TiNi shape memory alloys ... 211 (2003) 239
Wang, Z.G., see Liu, J. ... 212 (2003) 303
Wang, Z.G., see Toulemonde, M. ... 212 (2003) 346
Wang, Z.G., X.T. Zu, Y. Huo, S. Zhu, X.W. Wei and L.M. Wang, Effect of electron irradiation and heat treatment on the multi-step transformation in a Ni-rich near-equiatomic TiNi alloy ... 215 (2004) 436
Wartski, L., see Coste, Ph. ... 217 (2004) 342
Wang, Z.G., Z.M. Zhao, Y. Song, J. Liu, Y.M. Sun, C.H. Zhang, J.L. Duan and Y.F. Jin, The formation of new phase and chemical bonds in N-doped diamond films induced by swift heavy ion irradiation ... 218 (2004) 472
Watamori, M., see Kaneko, T. ... 219–220 (2004) 236
Watanabe, M., see Jeong, S.C. ... 212 (2003) 483
Watanabe, S., see Sastry, M.D. ... 213 (2004) 751
Watanabe, S., see Sullasi, H.S. ... 213 (2004) 756
Watanabe, S., see Morishita, T. ... 214 (2004) 144
Watanbe, S., see Mittani, J.C.R. ... 218 (2004) 255
Watanabe, S., see Souza, S.O. ... 218 (2004) 259
Waters, L.S., see Morgan, G.L. ... 211 (2003) 297
Watson, I.M., see Barradas, N.P. ... 217 (2004) 479
Watson, R.L., see Horvat, V. ... 211 (2003) 495
Watt, F., see Ide-Ektessabi, A. ... 213 (2004) 590
Watt, F., see Seng, H.L. ... 215 (2004) 235
Waysand, G., see Oliveira, C. ... 213 (2004) 172
Webb, R.P., see Simon, A. ... 219–220 (2004) 405
Webber, C.E., see Popovic, M. ... 213 (2004) 599
Weber, W.J., see Zhang, Y. ... 215 (2004) 48
Weber, W.J., F. Gao, R. Devanathan, W. Jiang and C.M. Wang, Ion-beam induced defects and nanoscale amorphous clusters in silicon carbide ... 216 (2004) 25
Weber, W.J., F. Gao, R. Devanathan and W. Jiang, The efficiency of damage production in silicon carbide ... 218 (2004) 68
Weber, W.J., see Gao, F. ... 218 (2004) 74
Weber, W.J., see Zhang, Y. ... 218 (2004) 89
Weber, W.J., see Sun, K. ... 218 (2004) 368
Weber, W.J., see Jiang, W. ... 218 (2004) 427
Weber, W.J., see Zhang, Y. ... 219–220 (2004) 256
Weber, W.J., see Smith, R.J. ... 219–220 (2004) 631
Weber, W.J., see Jiang, W. ... 219–220 (2004) 642
Weber, W.J., see Zhang, Y. ... 219–220 (2004) 647
Wee, A.T.S., see Lau, G.S. ... 215 (2004) 76
Weedon, A.G.P., see Fleming, D.E.B. ... 217 (2004) 471
Wegdén, M., P. Kristiansson, C. Ceberg, P. Munck af Rosenschöld, V. Auzelyte, M. Elfman, K.G. Malmqvist, C. Nilsson, J. Pallon and A. Shariff, Nuclear microprobe analysis of the selective boron uptake obtained with BPA in brain tumour tissue ... 219–220 (2004) 67
Wegdén, M., see Shariff, A. ... 219–220 (2004) 110
Wegdén, M., see Auzelyte, V. ... 219–220 (2004) 485
Wegdén, M., see Shariff, A. ... 219–220 (2004) 494
Wegdén, M., P. Kristiansson, Z. Pastuovic, H. Skogby, V. Auzelyte, M. Elfman, K.G. Malmqvist, C. Nilsson, J. Pallon and A. Shariff, Hydrogen analysis by p–p scattering in geological material ... 219–220 (2004) 550
Wegdén, M., see Kristiansson, P. ... 219–220 (2004) 561
Wegdén, M., see Pallon, J. ... 219–220 (2004) 988
Wei, P., see Schiettekatte, F. ... 219–220 (2004) 125
Wei, P., see Schiettekatte, F. ... 219–220 (2004) 430
Wei, P., S. Tixier, M., Chicoine, S. Francoeur, A. Mascarenhas, T. Tiedje and F. Schiettekatte, Ion beam characterization of $GaAs_{1-x-y}N_xBi_y$ epitaxial layers ... 219–220 (2004) 671
Wei, X.W., see Wang, Z.G. ... 215 (2004) 436
Weidinger, A., see Toulemonde, M. ... 216 (2004) 1
Weijers, T.D.M., B.C. Duck and D.J. O'Connor, The development of a stopping power predictor for ions with energies of 0.1–1.0 MeV/u in elemental targets ... 215 (2004) 35
Weijers, T.D.M., see Elliman, R.G. ... 219–220 (2004) 410

Weijers, T.D.M., R.G. Elliman and H. Timmers, Heavy ion elastic recoil detection analysis of silicon-rich silica films ... 219–220 (2004) 680
Weil, J.L., see Révay, Zs. ... 213 (2004) 385
Weil, J.L., see Ember, P.P. ... 213 (2004) 406
Weinberg, I.N., see Pani, R. ... 213 (2004) 197
Weinmann, S., see Döbeli, M. ... 219–220 (2004) 415
Wendler, E., W. Wesch, E. Alves and A. Kamarou, Comparative study of radiation damage in GaN and InGaN by 400 keV Au implantation ... 218 (2004) 36
Wendt, K., see Rauth, C. ... 215 (2004) 268
Wendt, K., see Sandström, J. ... 217 (2004) 513
Wenzel, A., see Keckes, J. ... 211 (2003) 519
Werner, M., J.A. van den Berg, D.G. Armour, W. Vandervorst, E.H.J. Collart, R.D. Goldberg, P. Bailey and T.C.Q. Noakes, Damage accumulation and dopant migration during shallow As and Sb implantation into Si ... 216 (2004) 67
Werth, G., see Quint, W. ... 214 (2004) 207
Wesch, W., see Wendler, E. ... 218 (2004) 36
Wesch, W., see Schrempel, F. ... 218 (2004) 209
Wesch, W., see Hedler, A. ... 218 (2004) 337
Wessels, M., see Tan, J.N. ... 214 (2004) 22
Wethekam, S., A. Mertens and H. Winter, Survival of He^+ ions during grazing scattering from a Cu(1 1 1) surface ... 212 (2003) 308
Wetteland, C.J., see Banks, J.C. ... 219–220 (2004) 444
Wetteland, C.J., see Lucca, D.A. ... 219–220 (2004) 611
Whang, C.N., see Son, J.H. ... 216 (2004) 346
Whang, C.N., see Kim, H.B. ... 216 (2004) 367
White, M.C., see Sood, A. ... 213 (2004) 167
Whitlow, H.J., see Zhang, Y. ... 215 (2004) 48
Whitlow, H.J., see Timmers, H. ... 219–220 (2004) 263
Widmann, E., see Hayano, R.S. ... 214 (2004) vii
Widmann, E., R.S. Hayano, M. Hori and T. Yamazaki, Measurement of the hyperfine structure of antihydrogen ... 214 (2004) 31
Widmann, E., see Sakaguchi, J. ... 214 (2004) 89
Widmann, E., see Juhász, B. ... 214 (2004) 98
Wie, C.R., see Wang, Z. ... 211 (2003) 251
Wielunski, L.S., G.D. Paterson, J.M. Bell and R.E. Clegg, Production of Si^+ and Cl^+ ion beams from a Freeman type ion source using low toxicity and non-corrosive vapours as source gas ... 215 (2004) 262
Wielunski, L.S., D.H. Hill, J. Quinn, R.A. Bartynski, P. Wu and Y. Lu, Ion beam analysis of thin doped ZnO layers ... 219–220 (2004) 708
Wierzbicki, A., see Furman, L. ... 211 (2003) 436
Wiesner, J., see Bolse, W. ... 218 (2004) 479
Wijeratne, T., see Ariyasinghe, W.M. ... 217 (2004) 389
Will, G., see Tesfamichael, T. ... 217 (2004) 97
Willekens, M., see van der Meer, K. ... 217 (2004) 202
Wilson, H.F., N.A. Marks, D.R. McKenzie and K.H. Lee, Molecular dynamics simulations of ion implantation for the fabrication of a solid-state quantum computer ... 215 (2004) 99
Wiltner, A., see Schmid, K. ... 219–220 (2004) 947
Wimmer-Schweingruber, R.F., see Allegrini, F. ... 211 (2003) 487
Winlove, C.P., see Muthuvelu, P. ... 213 (2004) 548
Winter, H., A. Mertens, S. Lederer, C. Auth, F. Aumayr and HP. Winter, Electronic processes during impact of fast hydrogen atoms on a LiF(001) surface ... 212 (2003) 45
Winter, H., see Wethekam, S. ... 212 (2003) 308
Winter, H., see Bernhard, T. ... 219–220 (2004) 567
Winter, HP., see Winter, H. ... 212 (2003) 45
Wintrebert-Fouquet, M., see Shrestha, S.K. ... 219–220 (2004) 686
Wirth, St., see Bassalleck, B. ... 214 (2004) 167
Withers, H.R., see Maggiore, C. ... 214 (2004) 181
Wittig, A., see Moss, R.L. ... 213 (2004) 633

Woźnicka, U., see Drozdowicz, K. 213 (2004) 42
Wojcik, M., see Turos, A. 219–220 (2004) 618
Wojtowicz, T., see Yu, K.M. 219–220 (2004) 636
Wollnik, H., see Ishida, Y. 219–220 (2004) 468
Wongsuban, B., K. Muhammad, Z. Ghazali, K. Hashim and M.A. Hassan, The effect of electron beam irradiation on preparation of sago starch/polyvinyl alcohol foams 211 (2003) 244
Woo, R., see Barouch, G. 213 (2004) 503
Wouters, B.G., see Maggiore, C. 214 (2004) 181
Wrede, C., see Greife, U. 217 (2004) 1
Wright, G.A., E. Shuttleworth, M.J. Grimstone and A.J. Bird, The status of the general radiation transport code MCBEND 213 (2004) 162
Wróbel, A., G. Goncerz, J. Kunz, P. Podolec and E. Rokita, Effect of gallium on in vitro aortic valve cusp mineralization – EDXRF studies 213 (2004) 556
Wu, P., see Wielunski, L.S. 219–220 (2004) 708
Wu, R., see Lee, C.S. 219–220 (2004) 323
Wunderlich, S., see Natter, F.A. 211 (2003) 465
Wurz, P., see Allegrini, F. 211 (2003) 487
Wurz, P., see Scheer, J.A. 212 (2003) 291
Wycech, S., Studies of the nuclear surface with antiprotonic atoms 214 (2004) 164
Wye, M.Y., see Lee, S.W. 219–220 (2004) 963
Wyss, J., see Bisello, D. 219–220 (2004) 1000

Xia, H., see Lennard, W.N. 215 (2004) 297
Xia, L., see Sun, Q. 217 (2004) 300
Xie, D.Z., B.K.A. Ngoi, A.S. Ong, Y.Q. Fu and B.H. Lim, Focused ion beam micromachining of TiNi film on Si(111) 211 (2003) 363
Xu, J., see Bai, X.D. 217 (2004) 293
Xu, J.L. and J.Y. Feng, Molecular-dynamics simulation of $Si_{1-x}Ge_x$ epitaxial growth on Si(100) 217 (2004) 33

Yacout, A.M. and W.L. Dunn, EGS OvrEzy, the object-oriented visual user interface for the EGS particle transport code 213 (2004) 149
Yadav, A.D., see Kamalapurkar, B.A. 211 (2003) 383
Yadav, A.D., see Chauhan, A.R. 212 (2003) 451
Yadav, A.D., see Bhole, K.G. 212 (2003) 525
Yahagi, M., see Jeong, S.C. 212 (2003) 483
Yakovenko, S., see Meshkov, I.N. 214 (2004) 186
Yakovlev, V.Yu., see Volchek, A.O. 211 (2003) 100
Yamada, I., see Toyoda, N. 216 (2004) 379
Yamada, I., see Matsuo, J. 219–220 (2004) 463
Yamaguchi, H., see Sakaguchi, J. 214 (2004) 89
Yamaguchi, H., see Juhász, B. 214 (2004) 98
Yamamoto, S., see Vacik, J. 219–220 (2004) 862
Yamamoto, S., see Vacik, J. 219–220 (2004) 867
Yamanaka, N. and Y. Kino, Antihydrogen formation in antiproton–positronium collisions 214 (2004) 40
Yamane, Y., see Tanemura, M. 215 (2004) 137
Yamashita, K., see Bera, S. 212 (2003) 530
Yamauchi, H., see Tanemura, M. 215 (2004) 137
Yamauchi, Y., see Nakamura, N. 217 (2004) 51
Yamazaki, T., see Widmann, E. 214 (2004) 31
Yamazaki, T., see Sakaguchi, J. 214 (2004) 89
Yamazaki, T., see Juhász, B. 214 (2004) 98
Yamazaki, Y., see Azuma, T. 212 (2003) 397
Yamazaki, Y., see Wada, M. 214 (2004) 196
Yan, F., see Fan, S. 215 (2004) 16

Yang, B., Y. Fan, Q. Lu and P.D. Townsend, Effects of the thermal annealing on the traps and recombination centres in LiF:Mg,Cu,P thermoluminescence dosimeter 211 (2003) 577
Yang, B., P.D. Townsend and R. Fromknecht, Radioluminescence detection of bulk effects in $SrTiO_3$ induced by surface ion implantation 217 (2004) 60
Yang, C., see Nigam, M. 219–220 (2004) 273
Yang, D., see Hu, Z. 217 (2004) 321
Yang, F.J., see Cheng, H.S. 219–220 (2004) 16
Yang, F.J., see Zhang, B. 219–220 (2004) 26
Yang, F.J., see Cheng, H.S. 219–220 (2004) 30
Yang, L., see Schleier-Smith, M.H. 215 (2004) 531
Yang, L., see Dzhosyuk, S.N. 217 (2004) 457
Yao, L., see Jiang, B. 215 (2004) 413
Yao, T., see Kim, H. 217 (2004) 429
Yariv, Y., see van der Meer, K. 217 (2004) 202
Yasuda, K., S. Hatori, T., Inomata, R. Ishigami, Y. Ito and M. Sasase, Ion beam analysis of carbon using $^{12}C(p,p'\gamma)$ reaction 219–220 (2004) 425
Yegin, G., A new approach to geometry modeling for Monte Carlo particle transport: An application to the EGS code system 211 (2003) 331
Yen, A.C., see Chen, H. 211 (2003) 1
Yih, T.S., see Lee, C.S. 219–220 (2004) 323
Yin, Z., R.P. Hugtenburg, S. Green and A.H. Beddoe, Dose responses of diamond detectors to monoenergetic X-rays 213 (2004) 646
Yoneama, M.L., see Teixeira, E.C. 215 (2004) 203
Yonezawa, N., see Zhu, Z. 217 (2004) 449
Yoon, W.Y., see Gehrke, R.J. 213 (2004) 10
Yoriyaz, H., see Oliveira, C. 213 (2004) 662
Yoshida, H., see Tominaga, H. 213 (2004) 540
Yoshida, K., see Ogawa, H. 212 (2003) 27
Yoshida, M., see Takahashi, S. 217 (2004) 435
Yoshida, M., see Zhu, Z. 217 (2004) 449
Yoshida, T., see Takahara, S. 218 (2004) 133
Yoshida, T., T. Tanabe, M. Hirano and S. Muto, FT-IR study on the effect of OH content on the damage process in silica glasses irradiated by hydrogen 218 (2004) 202
Yoshii, F., see Wach, R.A. 211 (2003) 533
Yoshimoto, T., see Kudo, K. 213 (2004) 305
Younes, G., see Roumié, M. 219–220 (2004) 871
Young, J., see Zhang, Y. 218 (2004) 89
Young, L.M., see Miller, R.B. 211 (2003) 562
Yu, H.T., see Hailey, C.J. 214 (2004) 122
Yu, K.M., W. Walukiewicz, T. Wojtowicz, W.L. Lim, X. Liu, M. Dobrowolska and J.K. Furdyna, Lattice location of Mn and fundamental Curie temperature limit in ferromagnetic $Ga_{1-x}Mn_xAs$ 219–220 (2004) 636
Yu, K.N., see Nikezic, D. 217 (2004) 637
Yu, R.H., see Peng, D.Q. 215 (2004) 394
Yu, Y.C., see Hsu, J.Y. 219–220 (2004) 251
Yu, Y.C. and K.M. Chen, M X-ray production in Nd, Gd, Ho and Lu by 1–6 MeV lithium ions 219–220 (2004) 284
Yudin, N.P., see Korenman, G.Ya. 214 (2004) 94
Yudin, S.N., see Korenman, G.Ya. 214 (2004) 94
Yuminov, O.A., see Drozdov, V.A. 212 (2003) 501
Yuminov, O.A., O.V. Fotina, A.B. Priselkova, A.V. Tultaev, S.Yu. Platonov, D.O. Eremenko and V.A. Drozdov, Internal dose assessment for ^{211}At α-emitter in isotonic solution as radiopharmaceutical ... 212 (2003) 516

Zagorski, D.L., see Vilensky, A.I. 218 (2004) 294
Zaharakis, K.E., see Horvat, V. 211 (2003) 495
Zahraman, K., see Nsouli, B. 219–220 (2004) 181
Zahraman, K., see Roumié, M. 219–220 (2004) 389
Zahraman, K., see Roumié, M. 219–220 (2004) 871

Zaim, H., see Alton, G.D. 211 (2003) 425
Zajacova, Z., see Agosteo, S. 217 (2004) 221
Zaldo, C., see Kling, A. 218 (2004) 271
Zanarini, M., P. Chirco, W. Dusi, N. Auricchio, A. Cavallini, B. Fraboni, P. Siffert and M. Bianconi, Radiation damage induced by 2 MeV protons in CdTe and CdZnTe semiconductor detectors 213 (2004) 315
Zannoli, R., see Baldazzi, G. 213 (2004) 223
Zapf, R., see Gnaser, H. 219–220 (2004) 880
Zaporojtchenko, V., see Biswas, A. 217 (2004) 39
Zarazua, G., see Martinez, T. 213 (2004) 584
Zavala, E.P., see Andrade, E. 219–220 (2004) 763
Zawislak, F.C., see Amaral, L. ..... 218 (2004) vii
Zawislak, F.C., see Baptista, D.L. 218 (2004) 61
Zawislak, F.C., see Mittani, J.C.R. 218 (2004) 255
Zawislak, F.C., see Foerster, C.E. 218 (2004) 375
Zawislak, F.C., see Lopes, J.M.J. 218 (2004) 438
Zawislak, F.C., see Mörschbächer, M.J. 219–220 (2004) 703
Zawislak, F.C., see Baptista, D.L. 219–220 (2004) 846
Zays, Z., see Dias da Cunha, K. 217 (2004) 649
Zeng, F., see Zhao, B. 211 (2003) 339
Zengin, R. and M. Ceylan, Effects of γ irradiation on the characteristics of the Cu–13wt.%Al–4wt.%Ni shape memory alloy 217 (2004) 327
Zhang, B., see Cheng, H.S. 219–220 (2004) 16
Zhang, B., B.H. Pan, Z.Q. Zhang, H.S. Cheng, M.H. Gao, F.J. Yang and X.B. Peng, PIXE study on ancient pottery from Chinese Sanxia area 219–220 (2004) 26
Zhang, B., see Cheng, H.S. 219–220 (2004) 30
Zhang, C., see Sun, Y. 218 (2004) 318
Zhang, C.H., S.E. Donnelly, V.M. Vishnyakov, J.H. Evans, T. Shibayama and Y.M. Sun, A study of the formation of nanometer-scale cavities in helium-implanted 4H-SiC 218 (2004) 53
Zhang, C.H., see Wang, Z.G. 218 (2004) 472
Zhang, H., see Fan, S. 215 (2004) 16
Zhang, J., see Lau, G.S. 215 (2004) 76
Zhang, J., see Hu, P. 217 (2004) 551
Zhang, J., see Shao, L. 219–220 (2004) 303
Zhang, K., see Gupta, R. 216 (2004) 350
Zhang, Q.X., see Liu, J. 212 (2003) 303
Zhang, W. and R.P. Gardner, The analog linear interpolation approach for Monte Carlo simulation of PGNAA: The CEARPGA code 213 (2004) 116
Zhang, Y., W.J. Weber and H.J. Whitlow, Electronic stopping powers for heavy ions in silicon 215 (2004) 48
Zhang, Y., see Gao, F. 218 (2004) 74
Zhang, Y., V. Shutthanandan, R. Devanathan, S. Thevuthasan, D.E. McCready, J. Young, G. Balakrishnan, D.M. Paul and W.J. Weber, Damage accumulation and amorphization in samarium titanate pyrochlore 218 (2004) 89
Zhang, Y. and W.J. Weber, Studies of electronic stopping powers using time of flight spectrometry 219–220 (2004) 256
Zhang, Y., see Smith, R.J. 219–220 (2004) 631
Zhang, Y., W.J. Weber, W. Jiang, V. Shutthanandan, S. Thevuthasan, M. Janson and A. Hallén, Annealing behavior of Al-implantation-induced disorder in 4H–SiC 219–220 (2004) 647
Zhang, Z.Q., see Cheng, H.S. 219–220 (2004) 16
Zhang, Z.Q., see Zhang, B. 219–220 (2004) 26
Zhang, Z.Q., see Cheng, H.S. 219–220 (2004) 30
Zhao, B., Y. Gao, F. Zeng and F. Pan, Nanoindentation study of $Ni_{45}Nb_{55}$ amorphous films prepared by ion beam assisted deposition 211 (2003) 339
Zhao, H., see Zhou, Q. 215 (2004) 577
Zhao, Y., Z. Tan, Y.-h. Du and G.-y. Qiu, Electrophoresis examination of strand breaks in plasmid DNA induced by low-energy nitrogen ion irradiation 211 (2003) 211
Zhao, Y.G., see Kulkarni, V.N. 219–220 (2004) 902
Zhao, Z., see Fan, S. 215 (2004) 16
Zhao, Z., D. Qi and Z. Guo, Etching characteristics for tracks of carbon cluster ions in polycarbonate .. 217 (2004) 621

Zhao, Z., C.-H. Ng, T. Neil, J. Lin and J. Jin, Fluence loss due to Rutherford backscattering for very low energy ion implantation in silicon 219–220 (2004) 804
Zhao, Z.M., see Wang, Z.G. 218 (2004) 472
Zheng, Z., see Jiang, B. 215 (2004) 413
Zhou, Q., L. Wang, Y. Wang, H. Zhao and R. Zhou, A remote data acquisition and control system for Mössbauer spectroscopy 215 (2004) 577
Zhou, Q.G., see Peng, D.Q. 211 (2003) 55
Zhou, Q.G., see Peng, D.Q. 215 (2004) 394
Zhou, Q.G., see Bai, X.D. 217 (2004) 293
Zhou, R., see Zhou, Q. 215 (2004) 577
Zhou, Z., see Hu, P. 217 (2004) 551
Zhu, J., see Huang, M.B. 211 (2003) 505
Zhu, S., see Wang, Z.G. 211 (2003) 239
Zhu, S., see Wang, Z.G. 215 (2004) 436
Zhu, S., see Lu, T. 218 (2004) 111
Zhu, X.P., M.K. Lei and T.C. Ma, Surface morphology of titanium irradiated by high-intensity pulsed ion beam 211 (2003) 69
Zhu, Z., see Sun, Y. 212 (2003) 211
Zhu, Z., Y. Maekawa, H. Koshikawa, Y. Suzuki, N. Yonezawa and M. Yoshida, Role of UV light illumination and DMF soaking in production of PET ion track membranes 217 (2004) 449
Zhu, Z., see Sun, Y. 218 (2004) 318
Zielinski, F., see Flament, J.L. 216 (2004) 161
Ziberi, B., see Frost, F. 216 (2004) 9
Ziegler, C., see Graser, H. 219–220 (2004) 880
Ziegler, J.F., SRIM-2003 ..... 219–220 (2004) 1027
Zielczyński, M., see Golnik, N. 213 (2004) 650
Zimmerman, R.L., see Innegraeve, O. 219–220 (2004) 191
Zimmerman, R.L., see Muntele, C.I. 219–220 (2004) 759
Ziock, K.P., see Hailey, C.J. 214 (2004) 122
Zítný, R., see Thýn, J. 213 (2004) 339
Zoppi, U., see Tuniz, C. 213 (2004) 469
Zorc, H., see Desnica, U.V. 216 (2004) 407
Zrineh, A., see Fink, D. 218 (2004) 355
Zschornack, G., see Kentsch, U. 216 (2004) 196
Zu, X., see Lu, T. 218 (2004) 111
Zu, X.T., see Wang, Z.G. 211 (2003) 239
Zu, X.T., see Wang, Z.G. 215 (2004) 436
Zucchiatti, A., P. Prati, A. Bouquillon, L. Giuntini, M. Massi, A. Migliori, A. Cagnana and S. Roascio, Characterisation of early medieval frescoes by μ-PIXE, SEM and Raman spectroscopy 219–220 (2004) 20
Zucchiatti, A., see Chiari, M. 219–220 (2004) 166
Zulim, I., see Dubček, P. 215 (2004) 122

Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Nuclear Instruments and Methods in Physics Research B 219–220I (2004) 92–121
NIM B
Beam Interactions with Materials & Atoms
www.elsevier.com/locate/nimb

Subject index of volumes 211–220

Editorial. H.H. Andersen, L.E. Rehn and C. Trautmann 215 (2004) 1
Retraction of "Energy loss and straggling of slow ions in electron gas" by Marek Moneta [Nucl. Instr. and Meth. B 159 (1999) 1–7]. H.H. Andersen, L. Rehn and C. Trautmann 215 (2004) 3

Basic Data for Materials Modifications and Analysis

Cross-sections of $^{10}B(\alpha, p)^{13}C$ nuclear reaction for boron analysis, H. Chen, X.M. Wang, L. Shao, J.R. Liu, A.C. Yen and W.-k. Chu 211 (2003) 1
Second order radiative contributions in the $K\beta_{1,3}$ X-ray spectra of 3d transition metals and their dependence on the chemical state of the element, M. Uršič, M. Kavčič and M. Budnar 211 (2003) 7
A Monte Carlo method for nuclear evaporation and fission at intermediate energies, A. Deppman, O.A.P. Tavares, S.B. Duarte, J.D.T. Arruda-Neto, M. Gonçalves, V.P. Likhachev, J. Mesa, E.C. de Oliveira, S.R. de Pina and O. Rodriguez 211 (2003) 15
New experimental data on excitation functions for practical applications of alpha induced nuclear reactions on Ta up to 30 MeV, F. Tárkányi, S. Takács, A. Hermanne, F. Ditrói, L. Andacuteo, S.-J. Heselius and J. Bergman 211 (2003) 22
L_i ($i = 1, 2, 3$) subshell X-ray production cross-sections and fluorescence yields for Ir, Pt, Pb and Bi, P. Singh, M. Sharma, J.S. Shahi, D. Mehta and N. Singh 211 (2003) 33
Validation and upgrading of the recommended cross section data of charged particle reactions used for production of PET radioisotopes, S. Takács, F. Tárkányi, A. Hermanne and R. Paviotti de Corcuera . . . 211 (2003) 169
Excitation functions of heavy ion induced nuclear reactions between ^{16}O ion beam and natural copper: Measurements, analysis and its applicability in TLA study, D.P. Chowdhury, R. Guin, S.K. Saha and M. Sudersanan 211 (2003) 288
Total cross sections for the production of ^{22}Na and ^{24}Na in proton-induced reactions on ^{27}Al from 0.40 to 22.4 GeV, G.L. Morgan, K.R. Alrick, A. Saunders, F.C. Cverna, N.S.P. King, F.E. Merrill, L.S. Waters, A.L. Hanson, G.A. Greene, R.P. Liljestrand, R.T. Thompson and E.A. Henry 211 (2003) 297
Absolute cross section for forward recoiling hydrogen with 1.0–12.5 MeV ^4He, J.C. Keay and D.C. Ingram . 211 (2003) 305
Excitation functions of ^3He-particle induced nuclear reaction on iron, F. Tárkányi, F. Ditrói and S. Takács . 211 (2003) 312
Excitation functions of deuteron induced nuclear reactions on natural tungsten up to 50 MeV, F. Tárkányi, S. Takács, F. Szelecsényi, F. Ditrói, A. Hermanne and M. Sonck 211 (2003) 319
Stopping power of Au for silver ions at low velocities, R.V. Ribas, N.H. Medina, N. Added, J.R.B. Oliveira, E.W. Cybulska, M.N. Rao, W.A. Seale, F. Brandolini, M.A. Rizzutto and J.A. Alcántara-Núñez 211 (2003) 453
Loss of positive ion beam by interaction with residual gases during acceleration, V.P. Shevelko, K. Noda, Y. Sato, H. Tawara and I.Yu. Tolstikhina 211 (2003) 460
Energy losses and straggling of 10 MeV/amu $C^{5+,4+}$ ions in charge state non-equilibrium region, H. Ogawa, I. Katayama, Y. Haruyama, M. Saito, K. Yoshida, M. Tosaki and I. Sugai 212 (2003) 27
Investigation of fullerene ions in crossed-beams experiments, D. Hathiramani, P. Scheier, H. Bräuning, R. Trassl, E. Salzborn, L.P. Presnyakov, A.A. Narits and D.B. Uskov 212 (2003) 67
K-shell ionization of high Z elements with low to intermediate velocity Si ions, Y.P. Singh, U. Kadhane, D. Trautmann, P.N. Tandon and L.C. Tribedi 212 (2003) 72
Inelastic cross-sections of energetic protons in liquid water calculated by model dielectric functions and optical data, D. Emfietzoglou, M. Moscovitch and A. Pathak 212 (2003) 101
Anatomy of the Barkas effect, P. Sigmund and A. Schinner 212 (2003) 110
Explicit phase shift factor stopping model for multi-component targets, J. Peltola, K. Nordlund and J. Keinonen 212 (2003) 118
Decay time characteristics of the U-like excited nuclei, V.A. Drozdov, D.O. Eremenko, O.V. Fotina, G. Giardina, F. Malaguti, S.Yu. Platonov, A. Uguzzoni and O.A. Yuminov 212 (2003) 501

doi:10.1016/S0168-583X(04)00839-0

Cross section data for electron–positron pair production by photons: a status report, J.H. Hubbell and S.M. Seltzer . . . 213 (2004) 1
The γ-ray spectrum of ^{252}Cf and the information contained within it, R.J. Gehrke, R. Aryaeinejad, J.K. Hartwell, W.Y. Yoon, E. Reber and J.R. Davidson . . . 213 (2004) 10
Accurate relative γ-ray intensities from neutron capture on natural chromium, T. Belgya and G.L. Molnár . . 213 (2004) 29
Accurate absolute intensities for the ^{35}Cl(n,γ) reaction gamma-ray standard, G.L. Molnár, Zs. Révay and T. Belgya . . . 213 (2004) 32
Measurements of neutron capture cross-sections for ADS-related studies, P.M. Milazzo, G. Aerts, E. Berthoumieux, N. Bustreo, D. Cano-Ott, P. Cennini, N. Colonna, C. Domingo, M. Embid, L. Ferrant, E. Gonzales, F. Gunsing, M. Heil, F. Käppeler, S. Marrone, P.F. Mastinu, A. Mengoni, C. Moreau, J. Pancin, T. Papaevangelou, C. Paradela, P. Pavlopoulos, R. Plag, R. Reifarth, C. Stephan, L. Tassan-Got, G. Tagliente, J.L. Tain, R. Terlizzi and V. Vlachoudis . . . 213 (2004) 36
Neutron cross-section measurements at the n_TOF facility at CERN, N. Colonna and The n_TOF Collaboration . . . 213 (2004) 49
Validation of new electron and positron data libraries, C. Negreanu, J. Stepanek, O.P. Joneja and R. Chawla 213 (2004) 55
Energy loss straggling of energetic ^{1}H and ^{2}H ions crossing polypropylene foils, H. Ammi, S. Mammeri and M. Allab . . . 213 (2004) 60
Ab initio calculation of the C1s photoelectron spectrum of C_2H_2, R. Colle, D. Embriaco, M. Massini, S. Simonucci and S. Taioli . . . 213 (2004) 65
Thin-target excitation functions and optimisation of NCA ^{64}Cu and ^{66,67}Ga production by deuteron induced nuclear reactions on natural zinc target, for radiometabolic therapy and for PET, F. Groppi, M.L. Bonardi, C. Birattari, L. Gini, C. Mainardi, E. Menapace, K. Abbas, U. Holzwarth and R.M.F. Stroosnijder . . . 213 (2004) 373
Theoretical and phenomenological aspects of CPT violation, N.E. Mavromatos . . . 214 (2004) 1
CP, *T* and *CPT* violations in the $K^0 - \overline{K}^0$ system: present status, Y. Takeuchi and S.Y. Tsai . . . 214 (2004) 7
Measurement of the hyperfine structure of antihydrogen, E. Widmann, R.S. Hayano, M. Hori and T. Yamazaki 214 (2004) 31
Exploring QCD: from LEAR to GSI, T. Barnes . . . 214 (2004) 44
Hadron physics with antiprotons, H. Koch (for the PANDA Collaboration) . . . 214 (2004) 50
Study of charmonium states formed in $\bar{p}p$ annihilations: results from Fermilab E835, D. Bettoni (for the E835 Collaboration) . . . 214 (2004) 56
Charmed hybrids in proton antiproton annihilation, K. Peters . . . 214 (2004) 60
Open problems in low energy antineutron interactions, A. Filippi . . . 214 (2004) 65
New types of nuclear systems containing antibaryons, I.N. Mishustin . . . 214 (2004) 70
Atomic transition frequencies and primary populations of $\bar{p}He^+$ measured by ASACUSA, M. Hori . . . 214 (2004) 74
Auger-dominant metastable states in the antiprotonic helium atom, V.I. Korobov . . . 214 (2004) 80
Numerical accuracy of the energy levels of antiprotonic helium atoms, Y. Kino, M. Kamimura and H. Kudo . . . 214 (2004) 84
Study of the hyperfine structure of antiprotonic helium, J. Sakaguchi, J. Eades, R.S. Hayano, M. Hori, D. Horváth, T. Ishikawa, B. Juhász, H.A. Torii, E. Widmann, H. Yamaguchi and T. Yamazaki . . . 214 (2004) 89
Collisional effects on HFS transitions of antiprotonic helium, G.Ya. Korenman, N.P. Yudin and S.N. Yudin 214 (2004) 94
Effects of impurity molecules on the lifetime of antiprotonic helium atoms, B. Juhász, J. Eades, R.S. Hayano, M. Hori, D. Horváth, T. Ishikawa, H.A. Torii, E. Widmann, H. Yamaguchi and T. Yamazaki . . . 214 (2004) 98
AMS, a particle spectrometer in space, C. Lechanoine-Leluc . . . 214 (2004) 103
BESS-Polar, M. Nozaki (for the BESS-Polar Collaboration) . . . 214 (2004) 110
The BALLOON-borne and PAMELA experiments for the study of the antimatter component in cosmic rays, P. Spillantini . . . 214 (2004) 116
Development of the gaseous antiparticle spectrometer for space-based antimatter detection, C.J. Hailey, W.W. Craig, F.A. Harrison, J. Hong, K. Mori, J. Koglin, H.T. Yu and K.P. Ziock . . . 214 (2004) 122
The bus stop effect revisited, J.F. Reading and J. Fu . . . 214 (2004) 126
Collinear study of protonium formation in collisions of antiprotons with hydrogen molecular ions, K. Sakimoto 214 (2004) 131
Ionization cross sections of helium and hydrogenic ions by antiproton impact, A. Igarashi, S. Nakazaki and A. Ohsaki . . . 214 (2004) 135
Hydrogen–antihydrogen atomic interaction at subKelvin temperatures, A.Yu. Voronin and J. Carbonell . . . 214 (2004) 139
Double-ionization of He by fast proton and antiproton impact, T. Morishita, T. Sasajima, S. Watanabe and M. Matsuzawa . . . 214 (2004) 144
Future experiments on hypernuclei and hyperatoms, J. Pochodzalla . . . 214 (2004) 149
Theoretical prediction to double Λ hypernuclear spectroscopy with antiprotons, E. Hiyama . . . 214 (2004) 153

Information on the nuclear periphery deduced from the properties of heavy antiprotonic atoms, A. Trzcińska, J. Jastrzębski, P. Lubiński, F.J. Hartmann, R. Schmidt, T. von Egidy and B. Kłos ... 214 (2004) 157
Antiprotonic potentials from global fits to the PS209 data, E. Friedman and A. Gal ... 214 (2004) 160
Studies of the nuclear surface with antiprotonic atoms, S. Wycech ... 214 (2004) 164
Depolarization and spin transfer in $\bar{p}p \to \bar{\Lambda}\Lambda$ with a polarized target, B. Bassalleck, A. Berdoz, C. Bradtke, R. Bröders, B. Bunker, H. Dennert, H. Dutz, S. Eilerts, W. Eyrich, D. Fields, H. Fischer, G. Franklin, J. Franz, R. Gehring, R. Geyer, S. Goertz, N. Hamann, J. Harmsen, J. Hauffe, F. Heinsius, D. Hertzog, T. Johansson, T. Jones, P. Khaustov, K. Kilian, P. Kingsberry, E. Kriegler, J. Lowe, A. Meier, A. Metzger, C. Meyer, W. Meyer, M. Moosburger, W. Oelert, K. Paschke, M. Plückthun, S. Pomp, B. Quinn, G. Reicherz, K. Röhrich, K. Sachs, H. Schmitt, B. Schoch, T. Sefzick, F. Stinzing, R. Stotzer, R. Tayloe and St. Wirth ... 214 (2004) 167
Constraints on spin observables in $\bar{p}p \to \bar{\Lambda}\Lambda$, J.-M. Richard and X. Artru ... 214 (2004) 171
Continuous Stern–Gerlach effect and the magnetic moment of the antiproton, W. Quint, J. Alonso, S. Djekić, H.-J. Kluge, S. Stahl, T. Valenzuela, J. Verdú, M. Vogel and G. Werth ... 214 (2004) 207
A method to determine the K-shell photoeffect cross sections of some rare earth elements, M.L. Mallikarjuna, S.B. Appaji Gowda, K.E. Ganesh, R. Gowda and T.K. Umesh ... 215 (2004) 4
A new method for the determination of molecular scattering differential cross sections in some lanthanide compounds with energy dispersive X-ray fluorescence system, O. İçelli and S. Erzeneoğlu ... 215 (2004) 9
A semiempirical approach to study the excitation functions for (n,p) reaction on the basis of evaporation and exciton models below 20 MeV, S. Fan, F. Yan, H. Zhang and Z. Zhao ... 215 (2004) 16
Electronic stopping power of elemental and complex targets for heavy ions from $_3$Li to $_{29}$Cu at low energies: An extended approach, P.K. Diwan and S. Kumar ... 215 (2004) 27
The development of a stopping power predictor for ions with energies of 0.1–1.0 MeV/u in elemental targets, T.D.M. Weijers, B.C. Duck and D.J. O'Connor ... 215 (2004) 35
Electronic stopping powers for heavy ions in silicon, Y. Zhang, W.J. Weber and H.J. Whitlow ... 215 (2004) 48
Revisiting the stopping powers of Si and SiO_2 for ^{4}He ions: 0.5–2.0 MeV, W.N. Lennard, H. Xia and J.K. Kim ... 215 (2004) 297
Barium L subshells Coster–Kronig and fluorescence yields by the subshell selective photoionization method, R.A. Barrea, C.A. Pérez and H.J. Sánchez ... 215 (2004) 308
An empirical expression to calculate thick target neutron yield distributions from proton induced reactions, M. Maiti, M. Nandy, S.N. Roy and P.K. Sarkar ... 215 (2004) 317
Energy loss around the stopping power maximum of Ne, Mg and Na ions in hydrogen gas, U. Greife, S. Bishop, L. Buchmann, M.L. Chatterjee, A.A. Chen, J.M. D'Auria, S. Engel, D. Gigliotti, D. Hunter, D.A. Hutcheon, A. Hussein, C.C. Jewett, A.M. Laird, M. Lamey, W. Liu, A. Olin, D. Ottewell, J. Rogers and C. Wrede ... 217 (2004) 1
A note on the density effect in the stopping power for positive ions, H. Paul ... 217 (2004) 7
Energy and cusp-conditions study for the He isoelectronic sequence, S. Otranto, G. Gasaneo and C.R. Garibotti ... 217 (2004) 12
Experimental cross sections for charged particle production of the therapeutic radionuclide ^{111}Ag and its PET imaging analogue ^{104m,g}Ag, A. Hermanne, S. Takács, F. Tárkányi and R. Bolbos ... 217 (2004) 193
Spallation yields of neutrons produced in thick lead/bismuth targets by protons at incident energies of 420 and 590 MeV, K. van der Meer, M.B. Goldberg, E.H. Lehmann, H. Addotst Abderrahim, D. Bar, D. Berkovits, M. Daum, S. Dekelver, Y. Foucher, J. Gerber, F. Van Gestel, W. Hajdas, H.-P. Linder, E. Malambu, I. Mardor, J. Oeyen, D. Saphier, A. Shor, M. Willekens and Y. Yariv ... 217 (2004) 202
Attenuation curves in concrete of neutrons from 100 to 400 MeV per nucleon He, C, Ne, Ar, Fe and Xe ions on various targets, S. Agosteo, T. Nakamura, M. Silari and Z. Zajacova ... 217 (2004) 221
Excitation functions for production of radioisotopes of niobium, zirconium and yttrium by irradiation of zirconium with deuterons, F. Tárkányi, A. Hermanne, S. Takács, F. Ditrói, A.I. Dityuk and Yu.N. Shubin ... 217 (2004) 373
Total electron scattering cross sections of CH_4 and NH_3 molecules in the energy range 400–4000 eV, W.M. Ariyasinghe, T. Wijeratne and P. Palihawadana ... 217 (2004) 389
Excitation functions of deuteron induced nuclear reactions on natural zinc up to 50 MeV, F. Tárkányi, S. Takács, F. Ditrói, A. Hermanne, M. Sonck and Yu. Shubin ... 217 (2004) 531
Proton elastic scattering cross sections of titanium from 1.0 to 3.0 MeV at the laboratory angle of 151°, P. Hu, J. Zhang, Q. Jin, L. Shi and Z. Zhou ... 217 (2004) 551
Gas bremsstrahlung and induced photoneutrons in the NSRRC's electron storage ring: a comparison of measurements and simulations, R.J. Sheu, J.P. Wang, R.D. Sheu and S.H. Jiang ... 217 (2004) 555
Differential cross-sections for nuclear reactions ^{14}N(d,p$_1$)^{15}N, ^{14}N(d,p$_0$)^{15}N, ^{14}N(d,α_0)^{12}C and ^{14}N(d,α_1)^{12}C, S. Pellegrino, L. Beck and Ph. Trouslard ... 219–220 (2004) 140
Random energy loss and straggling study of ^{9}Be ions in silicon, L.L. Araujo, M. Behar, P.L. Grande and J.F. Dias ... 219–220 (2004) 246

Energy loss of He, Li and B isotopes with MeV energies in Au, J.Y. Hsu, Y.C. Yu, J.H. Liang, K.M. Chen and H. Niu 219–220 (2004) 251
Studies of electronic stopping powers using time of flight spectrometry, Y. Zhang and W.J. Weber 219–220 (2004) 256
Energy loss measurements for mass-14 ions using a patterned stopping medium on a PIN diode, H. Timmers, K. Stenström, M. Graczyk and H.J. Whitlow 219–220 (2004) 263
Continuous stopping power curves of Al_2O_3 for 0.2–2.5 MeV He ions, C. Pascual-Izarra, M. Bianconi, N.P. Barradas, A. Climent-Font, G. García, J. Gonzalo and C.N. Afonso 219–220 (2004) 268
Stopping power of thin GaAs films for Si and P ions, M. Nigam, J.L. Duggan, M. El Bouanani, C. Yang, G.V. Ravi Prasad, E.D. Sosa, S. Matteson and F.D. McDaniel 219–220 (2004) 273
M X-ray production in Nd, Gd, Ho and Lu by 1–6 MeV lithium ions, Y.C. Yu and K.M. Chen 219–220 (2004) 284
L-Shell X-ray production cross-sections by impact of 5.0 to 7.5 MeV $^{10}B^{2}$ ions on selected rare earth elements, M. Lugo-Licona and J. Miranda 219–220 (2004) 289
Measurement of the inelastic scattering of protons by ^{23}Na in the energy range 1.25–2.40 MeV, R. Mateus, A.P. Jesus, J. Cruz and J.P. Ribeiro 219–220 (2004) 307
Cross-sections for the elastic recoil of hydrogen isotopes for high energy helium ions, J.F. Browning, J.C. Banks, W.R. Wampler and B.L. Doyle 219–220 (2004) 317

Atomic Collisions in Solids

Collision cascade containment in classical dynamics simulations of sputtering, M.A. Karolewski 211 (2003) 43
Computer simulation of ion channeling in Si containing structurally relaxed point defects, G. Lulli, E. Albertazzi, M. Bianconi and S. Balboni 211 (2003) 50
Sputtering of stepped Cu surfaces by 3 keV Ar projectiles with glancing angles of incidence, M.A. Karolewski 211 (2003) 190
A new approach to geometry modeling for Monte Carlo particle transport: An application to the EGS code system, G. Yegin 211 (2003) 331
Monte Carlo simulation and analytical calculation of coherent bremsstrahlung and its polarisation, F.A. Natter, P. Grabmayr, T. Hehl, R.O. Owens and S. Wunderlich 211 (2003) 465
Determination of low-energy ion-induced electron yields from thin carbon foils, F. Allegrini, R.F. Wimmer-Schweingruber, P. Wurz and P. Bochsler 211 (2003) 487
Projectile charge dependence of cross-sections for multiple electron capture and loss by 2 MeV/u Xe ions in nitrogen, V. Horvat, R.L. Watson, K.E. Zaharakis and Y. Peng 211 (2003) 495
Channelling and stopping of hydrogen and fluorine ions in grazing scattering on an Ag(1 1 0) surface at low keV energies and effects of oxygen adsorption, L. Guillemot, V.A. Esaulov and E.A. Sanchez 212 (2003) 20
Fermi-shuttle acceleration of electrons in ion–matter interaction, B. Sulik, N. Stolterfoht, R. Hellhammer, Z. Pešić, Cs. Koncz, K. Tőkési and D. Berényi 212 (2003) 32
Electronic processes during impact of fast hydrogen atoms on a LiF(001) surface, H. Winter, A. Mertens, S. Lederer, C. Auth, F. Aumayr and HP. Winter 212 (2003) 45
On the amplification of radiant energy during channeling in acoustically excited single crystal, L.Sh. Grigoryan, A.H. Mkrtchyan, H.F. Khachatryan, W. Wagner, A.A. Saharian and K.S. Baghdasaryan 212 (2003) 51
Gold-cluster ranges in aluminium, silicon and copper, H.H. Andersen, A. Johansen, M. Olsen and V. Touboltsev 212 (2003) 56
Electron impact ionization of H_2O molecule in crystalline ice, M. Vinodkumar, K.N. Joshipura, C.G. Limbachiya and B.K. Antony 212 (2003) 63
From the Langevin model to the diffusion model of axial channeling, R.W. Fearick 212 (2003) 77
Deformation of relativistic electron radiation spectra under conditions of multiple production of photons, M. Beknazarov, S. Blazhevich and V. Grishin 212 (2003) 82
Orientation effects in angle distribution of the relativistic electron radiation in single crystals, S.V. Blazhevich, G.L. Bochek, V.I. Kulibaba, N.I. Maslov, N.N. Nasonov and B.I. Shramenko 212 (2003) 88
Theoretical description of fast proton scattering from steel surface under grazing incidence, N.V. Novikov, Ya.A. Teplova, Yu.A. Fainberg and V.A. Kurnaev 212 (2003) 96
Energy spike induced effects in MeV ion-irradiated nanoislands, B. Satpati, D.K. Goswami, U.D. Vaishnav, T. Som, B.N. Dev and P.V. Satyam 212 (2003) 157
The damage process induced by swift heavy ion in polycarbonate, Y. Sun, Z. Zhu, Z. Wang, J. Liu, Y. Jin, M. Hou, Y. Wang and J. Duan 212 (2003) 211
Study of dose effects on Au–Ni bilayers mixing by 300 keV Kr ions, D. Datta and S.R. Bhattacharyya 212 (2003) 216
Mixing in Au/Si system by nuclear energy loss, S. Kumar, P.K. Sahoo, R.S. Chauhan, D. Kabiraj, U. Tiwari, D. Varma and D.K. Avasthi 212 (2003) 238

Mixing in Cu/Ge system by swift heavy ions, S. Kumar, R.S. Chauhan, R.P. Singh, D. Kabiraj, P.K. Sahoo, C. Rumbolz, S.K. Srivastava, W. Bolse and D.K. Avasthi . . . 212 (2003) 242
Evolution of thin-film morphologies in metals during ion beam bombardment, S.G. Mayr, Y. Ashkenazy and R.S. Averback . . . 212 (2003) 246
Bombardment-induced ripple topography on GaAs and InP, J.B. Malherbe . . . 212 (2003) 258
Ion beam-induced nanostructuring of InSb(0 0 1) surfaces studied with atomic force microscopy, F. Krok, J.J. Kolodziej, B. Such, P. Piatkowski and M. Szymonski . . . 212 (2003) 264
Ion reflection from solids at sliding incidence – computer simulations versus analytical theories and experiment, V.A. Kurnaev, N.N. Trifonov and V.A. Urusov . . . 212 (2003) 270
Au irradiation by 25-keV Au_n (n = 1–65600) clusters, E. Salonen, K. Nordlund and J. Keinonen . . . 212 (2003) 286
Scattering of slow ions from insulator surfaces at the example of molecular oxygen from LiF(1 0 0), J.A. Scheer, P. Wurz and W. Heiland . . . 212 (2003) 291
Survival of He^+ ions during grazing scattering from a Cu(1 1 1) surface, S. Wethekam, A. Mertens and H. Winter . . . 212 (2003) 308
Shock-wave production of nanoparticles during high-energy ion sputtering, L.E. Rehn, R.C. Birtcher, P.M. Baldo, A.W. McCormick and L. Funk . . . 212 (2003) 326
Study of sputtered particles from gold nano-islands due to MeV self-ion irradiation, B. Satpati, D.K. Goswami, S. Roy, T. Som, B.N. Dev and P.V. Satyam . . . 212 (2003) 332
Bulk and surface plasmon excitation in the interaction of He^+ with Mg surfaces, P. Riccardi, A. Sindona, P. Barone, A. Bonanno, A. Oliva and R.A. Baragiola . . . 212 (2003) 339
Electronic sputtering of metals and insulators by swift heavy ions, M. Toulemonde, W. Assmann, C. Trautmann, F. Grüner, H.D. Mieskes, H. Kucal and Z.G. Wang . . . 212 (2003) 346
Photon emission in ion beam sputtering of an Mg target, P. Karmakar and D. Ghose . . . 212 (2003) 358
Towards an understanding of MCs_n^+ formation mechanism in SIMS, S. Sarkar and P. Chakraborty . . . 212 (2003) 364
Gold-thiolate cluster emission from SAMs under keV ion bombardment: Experiments and molecular dynamics simulations, B. Arezki, A. Delcorte, A.C. Chami, B.J. Garrison and P. Bertrand . . . 212 (2003) 369
Time-resolved luminescence spectra of electron–hole plasma in ion-irradiated CdS, M. Koshimizu, K. Asai and K. Kimura . . . 212 (2003) 376
Electron emission induced by hydrogen atoms and protons incident on aluminium: effect of the projectile charge state, N. Pauly, A. Dubus and M. Rösler . . . 212 (2003) 386
Influence of charge changing processes on the forward to backward electron emission yield ratio for light ions impinging on thin metallic foils, N. Pauly, A. Dubus and M. Rösler . . . 212 (2003) 391
Convoy electron emission from resonant coherently excited 390 MeV/u hydrogen-like Ar ions, T. Azuma, Y. Takabayashi, T. Ito, K. Komaki, Y. Yamazaki, E. Takada and T. Murakami . . . 212 (2003) 397
Electronic sputtering from HOPG: A study of angular dependence, A. Tripathi, S.A. Khan, S.K. Srivastava, M. Kumar, S. Kumar, S.V.S.N. Rao, G.B.V.S. Lakshmi, A.M. Siddiqui, N. Bajwa, H.S. Nagaraja, V.K. Mittal, A. Szokefalvi, M. Kurth, A.C. Pandey, D.K. Avasthi and H.D. Carstanjen . . . 212 (2003) 402
Formation of molecular doubly charged anions in sputtering, H. Gnaser . . . 212 (2003) 407
Matrix and substrate effects on the sputtering of a 2 kDa molecule: Insights from molecular dynamics, A. Delcorte, B. Arezki and B.J. Garrison . . . 212 (2003) 414
Evidence of Coulomb explosion sputtering of ultra-thin Pt films due to impact of multi-charged Arions, D. Ghose, P. Karmakar and E. Parilis . . . 212 (2003) 420
Oxygen ion-induced detrapping of hydrogen retained in graphite, B. Tsuchiya, S. Nagata and T. Shikama . . . 212 (2003) 426
Ion velocity, charge state and substrate dependent electronic sputtering of fullerene, S. Ghosh, D.K. Avasthi, T. Som, A. Tripathi, S.K. Srivastava, F. Grüner and W. Assmann . . . 212 (2003) 431
Sputtering due to Coulomb explosion in highly charged ion bombardment, M. Terasawa, Z.A. Insepov, T. Sekioka, A.A. Valuev and T. Mitamura . . . 212 (2003) 436
Redistribution of Er implanted into Si(1 0 0): Correlation with implantation induced damage, T.K. Chini, D.P. Datta, B. Satpati, M. Tanemura and F. Okuyama . . . 212 (2003) 477
Modelling of radiation transport, V.G. Molinari, S. Manservisi, F. Rocchi and F. Teodori . . . 213 (2004) 75
Monte Carlo simulation of charged particle diffusion through an ionized gas: contributions of simultaneous multiple collisions, V. Molinari and F. Teodori . . . 213 (2004) 112
Simulating nuclear particle transport in stochastic media using Perlin noise functions, J. Tickner . . . 213 (2004) 124
Application of ion transport simulation to the backscattering in α-particle sources, M.J. Vargas, A. Fernández Timón, E. García-Toraño and A. Martín Sánchez . . . 213 (2004) 129
Accurate transport simulation of electron tracks in the energy range 1 keV–4 MeV, V. Cobut, L. Cirioni and J.P. Patau . . . 215 (2004) 57

Nanoparticle ejection from gold during ion irradiation, R.C. Birtcher, S.E. Donnelly and S. Schlutig 215 (2004) 69
The influence of the ion–atom potential on molecular dynamics simulations of sputtering, M.H. Shapiro and P. Lu 215 (2004) 326
Scaling properties in single collision model of light ion reflection, J. Vukanić and R. Simović 215 (2004) 337
Ion hammering of silica colloids, S. Klaumünzer 215 (2004) 345
Transmission of gamma rays through the curved single crystals of gadolinium–gallium garnet, R.A. Khairulin, S.V. Stankus, O.Ya. Savchenko, A.V. Baginskii and P.V. Ulyusov 215 (2004) 353
Anisotropic energies of sputtered atoms under oblique ion incidence, M. Stepanova and S.K. Dew 215 (2004) 357
Atomistic modeling of ion beam induced amorphization in silicon, L. Pelaz, L.A. Marqués, M. Aboy and J. Barbolla 216 (2004) 41
Atomistic analysis of the ion beam induced defect evolution, M. Aboy, L. Pelaz, L.A. Marqués and J. Barbolla 216 (2004) 100
Sputtering of binary crystal surface under grazing ion bombardment, A.A. Dzhurakhalov 216 (2004) 202
Theoretical modeling of atom acceleration in the tracks of swift charged particles in irradiated insulators, L.V. Matweev 217 (2004) 18
Molecular dynamics study on stopping powers of channeled He and Li ions in Si, J. Peltola, K. Nordlund and J. Keinonen 217 (2004) 25
Compositional analysis of thin SiO_xN_y:H films by heavy-ion ERDA, standard RBS, EDX and AES: a comparison, W. Bohne, J. Röhrich, A. Schöpke, B. Selle, I. Sieber, W. Fuhs, Á. del Prado, E. San Andrés, I. Mártil and G. González-Díaz 217 (2004) 237
MARISS study on ion yields of Ne^+ scattered from III–V compound semiconductors, A. Tolstogouzov, S. Daolio and C. Pagura 217 (2004) 246
Temporal development of sputtered atom distributions from Au(1 1 1) targets following bombardment with 100 keV/atom Au_2 ions, M.H. Shapiro and T.A. Tombrello 217 (2004) 253
Protrusion formation and surface porosity development on thermally annealed helium implanted copper, R. Escobar Galindo, A. van Veen, J.H. Evans, H. Schut and J.Th.M. de Hosson 217 (2004) 262
Dependence of amorphization energies in SiC on electronic stopping, E. Friedland 217 (2004) 396
Scattering and self-absorption corrections in the measurement of α-particle emitters in 2π geometry, M. Jurado Vargas and A. Fernández Timón 217 (2004) 564
Secondary ion emissions from carbon nanotubes induced by MeV Si and Si_2 clusters, F.-R. Ding, P. Shi, W.-H. He, Y. Wang, R. Nie, D.-Y. Shen and H.-J. Ma 217 (2004) 572
On the origin of mysterious X-ray spectral peaks observed at the REFER electron ring, I. Endo, D. Iseki, T. Ohnishi, C. Moriyoshi and A.V. Shchagin 217 (2004) 666
Atomistic simulation of radiation effects in carbon-based materials and nitrides, K. Nordlund 218 (2004) 9
Stopping of swift ions in compounds, A. Sharma, A. Fettouhi, A. Schinner and P. Sigmund 218 (2004) 19
The efficiency of damage production in silicon carbide, W.J. Weber, F. Gao, R. Devanathan and W. Jiang 218 (2004) 68
Atomic transport in ceramics induced by electronic energy deposition (invited), W. Bolse, B. Schattat, A. Feyh and T. Renz 218 (2004) 80
Defect simulation and crystal field studies of Ln^{3+}:$LiCaAlF_6$ and $LiSrAlF_6$, J.B. Amaral, M.E.G. Valerio, M.A. Couto dos Santos and R.A. Jackson 218 (2004) 232
The thermal-spike model description of the ion-irradiated polyimide, Y. Sun, C. Zhang, Z. Zhu, Z. Wang, Y. Jin, J. Liu and Y. Wang 218 (2004) 318
Swift heavy ion induced crystalline-to-crystalline phase transition in zirconia and hafnia: a comparative study, A. Benyagoub 218 (2004) 451
Damage production in cubic zirconia irradiated with swift heavy ions, A. Gentils, L. Thomé, J. Jagielski, L. Nowicki, S. Klaumünzer, F. Garrido and M. Beauvy 218 (2004) 457
Open questions in electronic sputtering of solids by slow highly charged ions with respect to applications in single ion implantation, T. Schenkel, I.W. Rangelow, R. Keller, S.J. Park, J. Nilsson, A. Persaud, V.R. Radmilovic, P. Grabiec, D.H. Schneider, J.A. Liddle and J. Bokor 219–220 (2004) 200
Existence of transient temperature spike induced by SHI: evidence by ion beam analysis, D.K. Avasthi, S. Ghosh, S.K. Srivastava and W. Assmann 219–220 (2004) 206
Sputtering with polyatomic ions: revisiting kinetic energy distributions of secondary ions, I.V. Veryovkin, S.F. Belykh, A. Adriaens and F. Adams 219–220 (2004) 215
Angular distribution of sputtered particles induced by ion bombardment, C.S. Lee, Y.C. Liu, Y.H. Chen and S. Lee 219–220 (2004) 221
A study of the dechanneling of protons in SiC polytype crystals in the energy range $E_p = 400$–650 keV, M. Kokkoris, G. Perdikakis, S. Kossionides, S. Petrović, R. Vlastou and R. Grötzschel 219–220 (2004) 226

Analysis of ion implanted silicon by RBS-channeling: influence of the damage model, M. Bianconi, E. Albertazzi, S. Balboni and G. Lulli . . . 219–220 (2004) 232
Damage evaluation after ion beam irradiation on polyimide films using ERD and RBS techniques simultaneously, T. Kaneko, M. Watamori, H. Makita, C. Araujo and G. Kano . . . 219–220 (2004) 236
Experimental energy straggling of protons in inhomogeneous materials, M. Tosaki, D. Ohsawa and Y. Isozumi 219–220 (2004) 241
Non-additivity of multiply charged ion emission from Si and Al produced by molecular projectiles, S.F. Belykh, V.V. Palitsin, A. Adriaens and F. Adams . . . 219–220 (2004) 278
Emission of electrons from diamond surfaces induced by MeV ions, D.B. Rebuli, E. Sideras-Haddad and S.H. Connell . . . 219–220 (2004) 299
Response function during oxygen sputter profiling for deconvolution of boron spatial distribution, L. Shao, J. Liu, C. Wang, K.B. Ma, J. Zhang, J. Chen, D. Tang, S. Patel and W.-K. Chu . . . 219–220 (2004) 303
Desorption of O_2 from SiO_2 films during irradiation of SiO_2 with MeV/a.m.u. heavy ions, W.M. Arnoldbik, N. Tomozeiu and F.H.P.M. Habraken . . . 219–220 (2004) 312
Mass analysis of sputtered particles induced by Ar bombardment of two iced targets, H_2O and CO_2, C.S. Lee, Y.C. Liu, Y.H. Chen, R. Wu, W.-H. Ip, T.S. Yih and S. Lee . . . 219–220 (2004) 323
Charge-state distribution of 400 keV He ions scattered from solid surfaces, K. Nakajima, Y. Okura, M. Suzuki and K. Kimura . . . 219–220 (2004) 514
Range parameters of B_n cluster ion implantation in silicon, J.H. Liang and H.M. Han . . . 219–220 (2004) 783
Measurement of beryllium depth profiles in carbon, K. Schmid, A. Wiltner and Ch. Linsmeier . . . 219–220 (2004) 947
The surface transient effect in the Si sputtering yield by low energy O_2 and Ar ion bombardments, H.-I. Lee, D.W. Moon, H.C. Shin, S.K. Oh and H.J. Kang . . . 219–220 (2004) 959
Electronic sputtering of carbon allotropes, S. Ghosh, D.K. Avasthi, A. Tripathi, D. Kabiraj, S. Singh and D.S. Misra . . . 219–220 (2004) 973
SRIM-2003, J.F. Ziegler . . . 219–220 (2004) 1027
Paradoxical features of small angle multiple scattering in matter and their implications in depth profiling with IBA, G. Amsel, G. Battistig and A. L'Hoir . . . 219–220 (2004) 1037
Calculating time-of-flight spectra of post-ionized sputtered neutrals, I.V. Veryovkin, W.F. Calaway and M.J. Pellin . . . 219–220 (2004) 1051
Monte Carlo simulations of multiple scattering effects in ERD measurements, K. Arstila, J.A. Knapp, K. Nordlund and B.L. Doyle . . . 219–220 (2004) 1058

Ion and Laser Beam Modification of Materials

Comparison of aqueous corrosion behavior of zirconium and zircaloy-4 implanted with molybdenum, D.Q. Peng, X.D. Bai, X.W. Chen, Q.G. Zhou, X.Y. Liu and P.Y. Deng . . . 211 (2003) 55
Surface morphology of titanium irradiated by high-intensity pulsed ion beam, X.P. Zhu, M.K. Lei and T.C. Ma 211 (2003) 69
Irradiation induced defects in $Si_{1-x}Ge_x$: The effect of alloying, A. Mesli and A. Nylandsted Larsen . . . 211 (2003) 80
Molecular dynamics simulation of boron implanted into diamond (001) 2 × 1 reconstruction surface, R. Li, Y. Dai, X. Hu, H. Sheng and X. He . . . 211 (2003) 91
Influence of the target and working gas on the composition of silicon nitride thin films prepared by reactive RF-sputtering, M. Vila, C. Prieto, J. García-López and M.A. Respaldiza . . . 211 (2003) 199
Molecular effect on projected range in ultralow-energy ion implantation, K. Kimura, Y. Oota, K. Nakajima, M. Suzuki, T. Aoki, J. Matsuo, A. Agarwal, B. Freer, A. Stevenson and M. Ameen . . . 211 (2003) 206
Electrophoresis examination of strand breaks in plasmid DNA induced by low-energy nitrogen ion irradiation, Y. Zhao, Z. Tan, Y.-h. Du and G.-y. Qiu . . . 211 (2003) 211
The effect of Ti ions implantation on the structure of anodic alumina films, N.N. Cherenda, V.V. Uglov, G.V. Litvinovich and A.L. Danilyuk . . . 211 (2003) 219
Implantation induced phase formation in stainless steel, B. Stahl, E. Kankeleit and G. Walter . . . 211 (2003) 227
Effect of 18 MeV proton irradiation on the R-phase transformation in TiNi shape memory alloys, Z.G. Wang, X.T. Zu, L.J. Liu, S. Zhu, Y. Huo, L.B. Lin, X.D. Feng and L.M. Wang . . . 211 (2003) 239
Nanoindentation study of $Ni_{35}Nb_{65}$ amorphous films prepared by ion beam assisted deposition, B. Zhao, Y. Gao, F. Zeng and F. Pan . . . 211 (2003) 339
Extraordinary refractive-index increase in MeV B^{3+} ion-implanted $LiNbO_3$ waveguide, G. Fu, K.-M. Wang, F. Chen, X.-L. Wang, S.-L. Li, D.-Y. Shen, H.-J. Ma and R. Nie . . . 211 (2003) 346
Effect of electric charge accumulation on insulators during low energy ion implantation, G.G. Ross and C. Sévigny . . . 211 (2003) 351

$CoSi_2$ formation by high current ion implantation with a metal vapor vacuum arc ion source, Y. He, J.Y. Feng and W.Z. Li . . . 211 (2003) 358
Focused ion beam micromachining of TiNi film on Si(111), D.Z. Xie, B.K.A. Ngoi, A.S. Ong, Y.Q. Fu and B.H. Lim . . . 211 (2003) 363
Enhanced radiation hardness of photoluminescence from InAs quantum dots embedded in an AlAs/GaAs superlattice structure, M.B. Huang, J. Zhu and S. Oktyabrsky . . . 211 (2003) 505
Electrochemical behavior of niobium-implanted zircaloy-4 induced by heat treatment, X.W. Chen, X.D. Bai, P.Y. Deng, D.Q. Peng and B.S. Chen . . . 211 (2003) 512
Annealing of the radiation damage in Mg-implanted GaN thin films: Temperature development of lattice parameters and stresses, J. Keckes, A. Wenzel, J.W. Gerlach and B. Rauschenbach . . . 211 (2003) 519
Particle–solid interactions and 21st century materials science, L.C. Feldman, G. Lüpke, N.H. Tolk, R. Lopez, R.F. Haglund Jr., T.E. Haynes and L.A. Boatner . . . 212 (2003) 1
Accelerator based materials science research in India, G.K. Mehta . . . 212 (2003) 8
Swift heavy ion induced formation of preferentially oriented $Au_{0.6}Ge_{0.4}$ alloy, T. Som, B. Satpati, P.V. Satyam, P. Ayyub and D. Kabiraj . . . 212 (2003) 151
Modification of graphite surface layers by nitrogen ion irradiation, L.D. Bogomolova, A.M. Borisov, V.A. Kurnaev and E.S. Mashkova . . . 212 (2003) 164
Formation of surface amorphous layers in semiconductors under low-energy light-ion irradiation: Experiment and theory, A.I. Titov, V.S. Belyakov and A.Yu. Azarov . . . 212 (2003) 169
Swift heavy ion irradiation induced modifications in sapphire, T. Mohanty, N.C. Mishra, F. Singh, U. Tiwari and D. Kanjilal . . . 212 (2003) 179
Irradiation effect on dielectric properties of $NiMn_{0.05}Ti_x(Zn, Mg)_xFe_{1.95-2x}O_4$ ferrite thin films, A. Dogra, M. Singh, V.V. Siva Kumar, N. Kumar and R. Kumar . . . 212 (2003) 184
Ion beam modification of CR-39 (DOP) and polyamide nylon-6 polymers, R. Kumar, R. Prasad, Y.K. Vijay, N.K. Acharya, K.C. Verma and U. De . . . 212 (2003) 221
Substitution and diffusion behaviour of MeV implanted Sb in Si(1 0 0) after carbon irradiation, S. Dey and S. Varma . . . 212 (2003) 228
Substrate effect on structural modification of C_{60} induced by 110 MeV Ni ion, N. Bajwa, A. Ingale, D.K. Avasthi, R. Kumar, K. Dharamvir and V.K. Jindal . . . 212 (2003) 233
Molecular dynamics study on Si_{20} cluster deposition on Si(0 0 1), J. Tarus and K. Nordlund . . . 212 (2003) 281
Clustering in Pb thin films on bromine-passivated Si(1 1 1) surfaces, M. Rundhe, S. Mathew, B.R. Sekhar and B.N. Dev . . . 212 (2003) 314
Effect of N^+ ion implantation on n-GaN, K. Santhakumar, K.G.M. Nair, R. Kesavamoorthy and V. Ravichandran . . . 212 (2003) 381
Synthesis of silicon oxynitride layers by dual ion-implantation and their annealing behaviour, A.R. Chauhan, G. Bhatt, A.D. Yadav, S.K. Dubey and T.K. Gundu Rao . . . 212 (2003) 451
Ion beam induced modification of lattice strains in $In_{0.1}Ga_{0.9}As/GaAs$ system, S.V.S. Nageswara Rao, A.K. Rajam, A.M. Siddiqui, D.K. Avasthi, T. Srinivasan, U. Tiwari, S.K. Mehta, R. Muralidharan, R.K. Jain and A.P. Pathak . . . 212 (2003) 473
Interface modification of Ag/Co system: X-ray reflectivity study, S. Kundu . . . 212 (2003) 489
Internal dose assessment for ^{211}At α-emitter in isotonic solution as radiopharmaceutical, O.A. Yuminov, O.V. Fotina, A.B. Priselkova, A.V. Tultaev, S.Yu. Platonov, D.O. Eremenko and V.A. Drozdov . . . 212 (2003) 516
Synthesis of InN by N^+ implantation on InP at high temperature, K. Santhakumar, R. Kesavamoorthy, K.G.M. Nair, P. Jayavel, D. Kanjilal, V. Sankara Sastry and V. Ravichandran . . . 212 (2003) 521
High-energy ion implantation of iron in silicon, K.G. Bhole, B.A. Kamalapurkar, S.K. Dubey, A.D. Yadav, T.K. Gundu Rao, T. Mohanti and D. Kanjilal . . . 212 (2003) 525
Ion irradiation induced impurity redistribution in Pt/C multilayers, S. Bera, D.K. Goswami, K. Bhattacharjee, B.N. Dev, G. Kuri, K. Nomoto and K. Yamashita . . . 212 (2003) 530
Synthesis of good quality LCMO/YBCO heterostructures by pulsed laser deposition technique, S.K. Wanchoo, J. Jasudasan, V.C. Bagwe, A.D. Thakur, U.D. Vaishnav, S.P. Pai, A.M. Narsale and R. Pinto . . . 212 (2003) 539
Roughening behavior in Si/SiGe heterostructures under O_2^+ bombardment, G.S. Lau, E.S. Tok, R. Liu, A.T.S. Wee and J. Zhang . . . 215 (2004) 76
Carbon-implanted ultra-high molecular-weight polyethylene studied by a pulsed slow-positron beam, N. Djourelov, C. He, T. Suzuki, Y. Ito, K. Velitchkova, E. Hamada and K. Kondo . . . 215 (2004) 83
Diffusion of Bi, Er and Eu implanted into S1813 photoresist, M.R.F. Soares, L. Amaral, M. Behar and F. Fink . . . 215 (2004) 90
Molecular dynamics simulations of ion implantation for the fabrication of a solid-state quantum computer, H.F. Wilson, N.A. Marks, D.R. McKenzie and K.H. Lee . . . 215 (2004) 99

Spatial distribution profiles of defects in mercury cadmium telluride after ion implantation, A.V. Voitsekhovskii, A.P. Kokhanenko, S.A. Shulga and R. Smith 215 (2004) 109
Study of structural changes in krypton implanted silicon, P. Dubček, B. Pivac, O. Milat, S. Bernstorff and I. Zulim 215 (2004) 122
Comparative amorphization quantification of two apatitic materials irradiated with heavy ions using XRD and RBS results, R. Tisserand, M. Rebetez, M. Grivet, S. Bouffard, A. Benyagoub, F. Levesque and J. Carpena 215 (2004) 129
Controlled fabrication of Mo-seeded Si microcones by Ar^+-ion bombardment, M. Tanemura, H. Yamauchi, Y. Yamane, T. Okita and S. Tanemura 215 (2004) 137
Fibroblasts adhesion on ion beam modified polyethylene, V. Švorčík, P. Tomásová, B. Dvořánková, V. Hnatowicz, R. Ochsner and H. Ryssel 215 (2004) 366
Nucleation and growth of Ag clusters in silicate glasses under ion irradiation, J.C. Pivin, G. Roger, M.A. Garcia, F. Singh and D.K. Avasthi 215 (2004) 373
Ion-beam mixing at Ni/n-6H–SiC interface under irradiation by H^+-ions, V.V. Kozlovski, V.N. Lomasov, D.S. Rumyantsev, I.V. Grekhov, P.A. Ivanov, T.P. Samsonova, H.I. Helava and L.O. Ragle 215 (2004) 385
Fabrication of optical waveguides in $KTiOAsO_4$ by He or Si ion implantation, F.-X. Wang, F. Chen, X.-L. Wang, Q.-M. Lu, K.-M. Wang, D.-Y. Shen, H.-J. Ma and R. Nie 215 (2004) 389
Effect of self-ion bombardment on the corrosion behavior of zirconium, D.Q. Peng, X.D. Bai, X.W. Chen, Q.G. Zhou, X.Y. Liu and R.H. Yu 215 (2004) 394
Accurate Monte Carlo simulation of fluorine and BF_2 ion implantation into crystalline silicon, S. Tian 215 (2004) 403
Preferred crystal orientation of hafnium films prepared by ion beam assisted deposition, B. Jiang, C. Ren, Z. Zheng, X. Liu, H. Fan, L. Yao, Y. Li and X. Su 215 (2004) 413
Optogalvanic spectroscopy of silicon atoms, Y. Ueda, H. Kumagai, T. Meguro, K. Midorikawa and M. Obara 215 (2004) 419
Track formation and fabrication of nanostructures with MeV-ion beams, M. Toulemonde, C. Trautmann, E. Balanzat, K. Hjort and A. Weidinger 216 (2004) 1
The shape and ordering of self-organized nanostructures by ion sputtering, F. Frost, B. Ziberi, T. Höche and B. Rauschenbach 216 (2004) 9
Thick elevation of silicon on patterned structure using ion implantation induced selective etching, M.Q. Huda and K. Sakamoto 216 (2004) 20
Ion-beam induced defects and nanoscale amorphous clusters in silicon carbide, W.J. Weber, F. Gao, R. Devanathan, W. Jiang and C.M. Wang 216 (2004) 25
Effect of substrate orientation on defect generation and annealing behaviour in carbon implanted silicon, M. Häberlen, J.K.N. Lindner and B. Stritzker 216 (2004) 36
Nitrogen distribution during oxidation of low and medium energy nitrogen-implanted silicon, D. Skarlatos, M. Perego, C. Tsamis, S. Ferrari, M. Fanciulli and D. Tsoukalas 216 (2004) 75
Self-interstitial diffusion and clustering with impurities in crystalline silicon, S. Mirabella, D. De Salvador, E. Napolitani, F. Giannazzo, G. Impellizzeri, G. Bisognin, A. Terrasi, V. Raineri, M. Berti, A. Carnera, A.V. Drigo and F. Priolo 216 (2004) 80
Coupling of atom-by-atom calculations of extended defects with B kick-out equations: application to the simulation of boron ted, E. Lampin, F. Cristiano, Y. Lamrani and B. Colombeau 216 (2004) 95
Annealing behavior of high temperature implanted Fe impurities in n-InP, T. Cesca, A. Gasparotto, B. Fraboni and F. Priolo 216 (2004) 105
Annealing of $BaTiO_3$ thin films after heavy ion implantation, M. Dietrich, Ch. Buchal, J.G. Correia, M. Deicher, M. Schmid, M. Uhrmacher, U. Vetter and U. Wahl 216 (2004) 110
ZnTe nanoparticles formed by ion implantation in a SiO_2 layer on silicon, R. Chemam, A. Bouabellou, J.J. Grob, D. Muller and G. Schmerber 216 (2004) 116
Formation of CdSe nanoclusters in MgO by ion beam synthesis, M.A. van Huis, A. van Veen, H. Schut, S.W.H. Eijt, B.J. Kooi and J.Th.M. De Hosson 216 (2004) 121
n-ZnO/p-Si photodiodes fully isolated by B^+ ion-implantation, C.H. Park, I.S. Jeong, H.S. Bae, T.G. Kim and S. Im 216 (2004) 127
FTIR and Vis–FUV real time spectroscopic ellipsometry studies of polymer surface modifications during ion beam bombardment, A. Laskarakis, C. Gravalidis and S. Logothetidis 216 (2004) 131
Microstructure of β-$FeSi_2$ buried layers synthesis by ion implantation, R. Ayache, E. Richter and A. Bouabellou 216 (2004) 137
Physical properties and structure of thin ion-beam modified polymer films, M. Guenther, G. Gerlach, G. Suchaneck, K. Sahre, K.-J. Eichhorn, V. Baturin and S. Duvanov 216 (2004) 143
Formation, growth and dissociation of He bubbles in Al_2O_3, M.A. van Huis, A. van Veen, F. Labohm, A.V. Fedorov, H. Schut, B.J. Kooi and J.Th.M. De Hosson 216 (2004) 149

Fluence dependence and thermal stability of defects in helium-implanted cubic zirconia, S. Saudé, R.I. Grynszpan, W. Anwand, G. Brauer, J.J. Grob and Y. Le Gall 216 (2004) 156
Surface structure dependence of impact processes of gas cluster ions, T. Aoki and J. Matsuo 216 (2004) 185
Surface smoothing with large current cluster ion beam, T. Seki and J. Matsuo 216 (2004) 191
Slow highly charged ions for nanoscale surface modifications, U. Kentsch, S. Landgraf, M. Schmidt, H. Tyrroff, G. Zschornack, F. Grossmann, V.P. Ovsyannikov and F. Ullmann. 216 (2004) 196
Roughness evolution of some X-UV reflective materials induced by low energy (<1 keV) ion beam milling, P. Gailly, J.-P. Collette, C. Jamar, K. Fleury-Frenette, P. Médart and Y. Stockman 216 (2004) 206
Optical and electrical properties of Si-nanocrystals ion beam synthesized in SiO_2, B. Garrido, M. López, A. Pérez-Rodríguez, C. García, P. Pellegrino, R. Ferré, J.A. Moreno, J.R. Morante, C. Bonafos, M. Carrada, A. Claverie, J. de la Torre and A. Souifi. 216 (2004) 213
Nanocrystals manufacturing by ultra-low-energy ion-beam-synthesis for non-volatile memory applications, P. Normand, E. Kapetanakis, P. Dimitrakis, D. Skarlatos, K. Beltsios, D. Tsoukalas, C. Bonafos, G. Ben Assayag, N. Cherkashin, A. Claverie, J.A. Van Den Berg, V. Soncini, A. Agarwal, M. Ameen, M. Perego and M. Fanciulli 216 (2004) 228
Ion induced precipitation of metal particles in triethoxysilane for optical and magnetic applications, J.C. Pivin 216 (2004) 239
Structural and magnetic properties of Fe–Al silica composites prepared by sequential ion implantation, C. de Julián Fernández, M.A. Tagliente, G. Mattei, C. Sada, V. Bello, C. Maurizio, G. Battaglin, C. Sangregorio, D. Gatteschi, L. Tapfer and P. Mazzoldi 216 (2004) 245
Comparison of thermally and mechanically induced Si layer transfer in hydrogen-implanted Si wafers, T. Höchbauer, A. Misra, M. Nastasi, K. Henttinen, T. Suni, I. Suni, S.S. Lau and W. Ensinger 216 (2004) 257
Buried silicon dioxide formation in a precursor nanocavity layer in Si, A. van Veen, A. Rivera, H. Schut and H. van Gog 216 (2004) 264
Mechanical properties of pulsed laser-deposited hydroxyapatite thin film implanted at high energy with N^+ and Ar^+ ions. Part I: nanoindentation with spherical tipped indenter, H. Pelletier, V. Nelea, P. Mille and D. Muller 216 (2004) 269
Mechanical properties of pulsed laser-deposited hydroxyapatite thin films implanted at high energy with N^+ and Ar^+ ions. Part II: nano-scratch tests with spherical tipped indenter, H. Pelletier, V. Nelea, P. Mille and D. Muller 216 (2004) 275
Direct evidence of the recombination of silicon interstitial atoms at the silicon surface, Y. Lamrani, F. Cristiano, B. Colombeau, E. Scheid, P. Calvo, H. Schäfer and A. Claverie 216 (2004) 281
Optimization of InGaAs/InP MHBT and HBT's technology: control and modeling of beryllium diffusion phenomena, M. Ihaddadene-Lenglet and J. Marcon 216 (2004) 297
Diffusion simulations of boron implanted at low energy (500 eV) in crystalline silicon, L. Ihaddadene-Le Coq, J. Marcon, A. Dush-Nicolini, K. Masmoudi and K. Ketata. 216 (2004) 303
Ion beam synthesis of Co nanoparticles in SiO_2: Monte Carlo simulation, C. Cerruti, J.P. Stoquert, C. D'Orléans, C. Estournès, J.J. Grob, J.L. Guille, F. Haas, D. Muller and M. Richard-Plouet. 216 (2004) 329
Finite size effects in phase transformation kinetics in thin films and surface layers, V.I. Trofimov, I.V. Trofimov and J.-I. Kim 216 (2004) 334
Ion-beam induced modification of pores array in anodic alumina, N.N. Cherenda, V.V. Uglov, G.V. Litvinovich and A.L. Danilyuk 216 (2004) 340
Visible photoluminescence from Si ion-beam-mixed SiO_2/Si/SiO_2 layers deposited by e-beam evaporation, J.H. Son, H.B. Kim, C.N. Whang, M.C. Sung, K. Jeong, S. Im and K.H. Chae 216 (2004) 346
Magnetic modifications of thin CoFe films induced by Xe^+-ion irradiation, R. Gupta, G.A. Müller, P. Schaaf, K. Zhang and K.P. Lieb 216 (2004) 350
Elongated Co nanoparticles induced by swift heavy ion irradiations, C. D'Orléans, J.P. Stoquert, C. Estournès, J.J. Grob, D. Muller, J.L. Guille, M. Richard-Plouet, C. Cerruti and F. Haas 216 (2004) 372
Surface modification with gas cluster ion beams from fundamental characteristics to applications, N. Toyoda, J. Matsuo and I. Yamada. 216 (2004) 379
Formation and dissociation of Zn nanoclusters in MgO, M.A. van Huis, A. van Veen, H. Schut, B.J. Kooi, J.Th.M. De Hosson, X.S. Du, T. Hibma and R. Fromknecht. 216 (2004) 390
Combinatorial ion implantation – a smart technique applied to synthesize CdSe-nanocrystals, I. Großhans, H. Karl and B. Stritzker 216 (2004) 396
Effect of diffusion on ion beam-synthesized PbS nanocrystals, R. Espiau de Lamaestre, H. Bernas and F. Jomard 216 (2004) 402
Direct ion beam synthesis of II–VI nanocrystals, U.V. Desnica, M. Buljan, I.D. Desnica-Frankovic, P. Dubcek, S. Bernstorff, M. Ivanda and H. Zorc. 216 (2004) 407
Molecular-dynamics simulation of $Si_{1-x}Ge_x$ epitaxial growth on Si(100), J.L. Xu and J.Y. Feng. 217 (2004) 33

Nanoparticle architecture in carbonaceous matrix upon swift heavy ion irradiation of polymer–metal nanocomposites, A. Biswas, D.K. Avasthi, D. Fink, J. Kanzow, U. Schürmann, S.J. Ding, O.C. Aktas, U. Saeed, V. Zaporojtchenko, F. Faupel, R. Gupta and N. Kumar 217 (2004) 39
Surface analytical studies of ion-implanted uni-directionally aligned silicon nitride for tribological applications, N. Nakamura, K. Hirao and Y. Yamauchi 217 (2004) 51
A description of bubble growth and gas release during thermal annealing of helium implanted copper, J.H. Evans, R. Escobar Galindo and A. van Veen 217 (2004) 276
In vivo biocompatibility of radiation crosslinked acrylamide copolymers, D. Saraydın, S. Ünver-Saraydın, E. Karadağ, E. Koptagel and O. Güven 217 (2004) 281
Corrosion resistance and microstructure of zircaloy-4 subjected to ion irradiation, X.D. Bai, X.W. Chen, J. Xu, Q.G. Zhou and B.S. Chen 217 (2004) 293
Treatment homogeneity and conformal analysis of plasma based ion implanted 3D target, Q. Sun, C. Gu, X. Ma and L. Xia 217 (2004) 300
Study of the chemical and morphological evolution of the GaAs surface after high fluence focused ion beam exposure, A. Lugstein, B. Basnar and E. Bertagnolli 217 (2004) 402
Kinoform X-ray lens creation in polymer materials by deep X-ray lithography, V. Nazmov, L. Shabel'nikov, F.-J. Pantenburg, J. Mohr, E. Reznikova, A. Snigirev, I. Snigireva, S. Kouznetsov and M. DiMichiel . . . 217 (2004) 409
Recovery of the luminescence property in sulfur-implanted ZnO thin film, I. Sakaguchi, Y. Sato, D. Park, N. Ohashi, H. Haneda and S. Hishita 217 (2004) 417
Influence of secondary ion bombardment on the composition, structure and surface properties of platinum thin films, S. Balaji, P.V. Satyam, V. Lakshminarayanan and S. Mohan 217 (2004) 423
Transmuted isotopes doped in neutron-irradiated ZnO thin films, H. Kim, K. Park, B. Min, J.S. Lee, K. Cho, S. Kim, H.S. Han, S.K. Hong and T. Yao 217 (2004) 429
Characterizations of heavy ion irradiated PET membranes, S. Takahashi, M. Yoshida, M. Asano, M. Notomi and T. Nakagawa 217 (2004) 435
High efficiency gettering of Au in Si(1 1 1) by MeV C implantation, S. Mohapatra, B. Joseph, D.P. Mahapatra and P. Chakraborty 217 (2004) 578
SiC nanoboulders on silicon – a nuclear reaction analysis study of low energy ^{13}C implanted and subsequently electron beam annealed (1 0 0) silicon, A. Markwitz, V.J. Kennedy, S. Johnson, W.J. Trompetter, M. Rudolphi and H. Baumann 217 (2004) 583
Formation of transition metal silicides by high energy ion beam mixing in Mn/Si and Ni/Si single and multilayer samples, S. Chaudhuri, S. Biswas, A. Gupta, D.K. Avasthi, D. Bhattacharyya, S. Teichert and D.K. Sarkar 217 (2004) 589
Effects of substrate temperature during implantation on the mechanical properties of ion-implanted silicon, Q. Wang, H. Ishikawa, H. Ogiso, S. Nakano and J. Akedo 217 (2004) 598
Computer modelling of doping and ion implantation in F^-/OH^--topaz, R.A. Jackson and M.E.G. Valerio . . 218 (2004) 42
A study of the formation of nanometer-scale cavities in helium-implanted 4H-SiC, C.H. Zhang, S.E. Donnelly, V.M. Vishnyakov, J.H. Evans, T. Shibayama and Y.M. Sun 218 (2004) 53
Hard three-dimensional sp^2carbon-bonded phase formed by ion beam irradiation of fullerene, a-C and polymeric a-C:H films, D.L. Baptista, C.E. Foerster, C.M. Lepienski and F.C. Zawislak 218 (2004) 61
Stability and optical activity of Er implanted MgO, J.V. Pinto, R.C. da Silva, E. Alves, M.J. Soares, T. Monteiro and R. González 218 (2004) 128
Radiation detectors based on laser sintered $Bi_4Ge_3O_{12}$ ceramics, Z.S. Macedo, R.S. da Silva, M.E.G. Valerio and A.C. Hernandes 218 (2004) 153
Refraction and dispersion in optical glass, D.Y. Smith, E. Shiles and M. Inokuti 218 (2004) 170
Sintered sand pellets for high-dose dosimetry, M.I. Teixeira and L.V.E. Caldas 218 (2004) 194
Properties of buried waveguides produced by He-irradiation in KTP and Rb:KTP, F. Schrempel, Th. Opfermann, J.-P. Ruske, U. Grusemann and W. Wesch 218 (2004) 209
Doping by diffusion and implantation of V, Cr, Mn and Fe ions in uncoloured beryl crystals, J.C.R. Mittani, S. Watanbe, M. Matsuoka, D.L. Baptista and F.C. Zawislak 218 (2004) 255
Preparation of composites of topaz embedded in glass matrix for applications in solid state thermoluminescence dosimetry, C.M.S. de Magalhães, Z.S. Macedo, M.E.G. Valerio, A.C. Hernandes and D.N. Souza 218 (2004) 277
Ion beam induced modification of gold thin films deposited over polymers, J.R. Kaschny, A. Morrone, A. de Mattos, J.E. Schmidt and M. Behar 218 (2004) 308
Grafting of poly(vinylidene fluoride) foils induced by swift heavy ions, R.O. Mazzei, G. Garcia Bermúdez, D. Tadey and C. Rocco 218 (2004) 313
Nano-fabrication of optical devices in transparent dielectrics: volume gratings in SiO_2 and DFB Color center laser in LiF, K. Kawamura, D. Takamizu, T. Kurobori, T. Kamiya, M. Hirano and H. Hosono 218 (2004) 332

Novel concepts for mass storage of archival data, S. Kalbitzer . . . 218 (2004) 343
Implant isolation of AlGaAs multilayer DBR, A.V.P. Coelho, H. Boudinov, T. v. Lippen, H.H. Tan and C. Jagadish . . . 218 (2004) 381
Multielemental nanoclusters formed by ion implantation in dielectrics, C. Maurizio . . . 218 (2004) 396
The influence of the implantation temperature on the photoluminescence characteristics of Si nanocrystals embedded into SiO_2 matrix, U.S. Sias, E.C. Moreira, E. Ribeiro, H. Boudinov, L. Amaral and M. Behar . . . 218 (2004) 405
The formation of new phase and chemical bonds in N-doped diamond films induced by swift heavy ion irradiation, Z.G. Wang, Z.M. Zhao, Y. Song, J. Liu, Y.M. Sun, C.H. Zhang, J.L. Duan and Y.F. Jin . . . 218 (2004) 472
Nanotip processing on TiO_2 surfaces irradiated with fullerenes in the electronic regime, B. Canut, P. Thevenard and C. Jardin . . . 218 (2004) 487
Study of heavy-ion induced modifications in BaF_2 and LaF_3 single crystals, A.S. El-Said, M. Cranney, N. Ishikawa, A. Iwase, R. Neumann, K. Schwartz, M. Toulemonde and C. Trautmann . . . 218 (2004) 492
Thermal and dynamic responses of Ag implants in silicon carbide, W. Jiang, W.J. Weber, V. Shutthanandan, L. Li and S. Thevuthasan . . . 219–220 (2004) 642
Formation of shallow junctions through BGe molecular ion implantation and rapid thermal annealing, J.H. Liang and Y.J. Sang . . . 219–220 (2004) 778
Ion beam modification and analysis of metal/polymer bi-layer thin films, Y.Q. Wang, M. Curry, E. Tavenner, N. Dobson and R.E. Giedd . . . 219–220 (2004) 798
Fluence loss due to Rutherford backscattering for very low energy ion implantation in silicon, Z. Zhao, C.-H. Ng, T. Neil, J. Liu and J. Jin . . . 219–220 (2004) 804
Swift heavy ion induced modification of Si/C_{60} multilayers, S.K. Srivastava, D. Kabiraj, B. Schattat, H.D. Carstanjen and D.K. Avasthi . . . 219–220 (2004) 815
Temporal evolution of ion implanted CdSe distribution in SiO_2 on silicon during annealing, I. Grosshans, H. Karl and B. Stritzker . . . 219–220 (2004) 820
Non-magnetic to magnetic and non-metal to metal transitions in nickel nanoparticles in SiO_2 under heat treatment, H. Amekura, H. Kitazawa and N. Kishimoto . . . 219–220 (2004) 825
Dynamics of co-irradiation effects of high-energy ions and photons on nanoparticle precipitation in silica glass, N. Okubo, N. Kishimoto and Y. Takeda . . . 219–220 (2004) 830
Loss of hydrogen from ion irradiated photoresist and a-C:H films, D.L. Baptista, I.T.S. Garcia and F.C. Zawislak . . . 219–220 (2004) 846
Study of thin hafnium oxides deposited by atomic layer deposition, J.-J. Ganem, I. Trimaille, I.C. Vickridge, D. Blin and F. Martin . . . 219–220 (2004) 856
Ferromagnetic microstructures in highly oriented pyrolytic graphite created by high energy proton irradiation, D. Spemann, K.-H. Han, P. Esquinazi, R. Höhne and T. Butz . . . 219–220 (2004) 886
Surface modification and nanoparticle formation by negative ion implantation of polymers, H. Boldyryeva, N. Kishimoto, N. Umeda, K. Kono, O.A. Plaksin and Y. Takeda . . . 219–220 (2004) 953
Surface modification and adhesion improvement of PTFE film by ion beam irradiation, S.W. Lee, J.W. Hong, M.Y. Wye, J.H. Kim, H.J. Kang and Y.S. Lee . . . 219–220 (2004) 963

Effects of Radiation

Transient optical transmission changes induced by pulsed electron radiation in commercial crown silicate glasses, A.O. Volchek, V.M. Lisitsyn, A.I. Gusarov, V.Yu. Yakovlev and V.I. Arbuzov . . . 211 (2003) 100
Comparison between computed and measured response of silicon strip detectors exposed to carbon, calcium and ruthenium ion beams, A. Codino, F. Plouin, C. Bellachioma, M.T. Brunetti, B. Checcucci, C. Federico, M. Lanfranchi, P. Maffei, M. Miozza and H. Vocca . . . 211 (2003) 107
ESR studies on laser beam irradiated polyethyleneterephtalate, M. Chipara, J. Reyes Romero, M.D. Chipara, L. Georgescu, L. Constantinescu, C. Secu and C. Morosanu . . . 211 (2003) 117
Study of the effect of high electronic excitations in quasicrystals irradiated with heavy ions, G. Coddens, A. Dunlop, H. Dammak, R. Chatterjee, Y. Calvayrac, M. Quiquandon, E. Elkaïm, M. Gailhanou and S. Rouzière . . . 211 (2003) 122
The effect of electron beam irradiation on preparation of sago starch/polyvinyl alcohol foams, B. Wongsuban, K. Muhammad, Z. Ghazali, K. Hashim and M.A. Hassan . . . 211 (2003) 244
Cell structure and saturation effects of radiation-hardened power VDMOSFET devices under extreme dose X-ray irradiation, Z. Wang, M.-S. Park, J.E. Gillberg and C.R. Wie . . . 211 (2003) 251
40 MeV $^{28}Si^{5+}$ ion induced blue shift in the optical band gap of amorphous $Se_{80-x}Te_{20}Pb_x$ thin films, M. Singh Kamboj, R. Thangaraj, D.K. Avasthi and D. Kabiraj . . . 211 (2003) 369

Track formation on LiF single crystal surface induced by high-energy Xe ions, I.V. Vorobyova and J. Kopniczky . . . 211 (2003) 374
Investigation of 70 MeV iron irradiation induced defects in C-silicon, B.A. Kamalapurkar, S.K. Dubey, A.D. Yadav, K.G. Bhole, K.S. Chandrashekaran, T.K. Gundu Rao, T. Mohanti and D. Kanjilal . . . 211 (2003) 383
Does the thermal spike affect low energy ion-induced interfacial mixing?, P. Süle, M. Menyhárd and K. Nordlund . . . 211 (2003) 524
Radiation crosslinking of methylcellulose and hydroxyethylcellulose in concentrated aqueous solutions, R.A. Wach, H. Mitomo, N. Nagasawa and F. Yoshii . . . 211 (2003) 533
Photoluminescence studies in swift heavy ion bombarded mullite, H. Nagabhushana, B.N. Lakshminarasappa, F. Singh and D.K. Avasthi . . . 211 (2003) 545
Phase separation in metamict zircon under electron irradiation, P. Carrez, C. Forterre, D. Braga and H. Leroux . . . 211 (2003) 549
Ultra-fast luminescence in heavy-ion track-cores in insulators: Electron–hole plasma, K. Kimura . . . 212 (2003) 123
Metastable defects in SI-GaAs: Effect of high energy ion-irradiation, D. Kabiraj and S. Ghosh . . . 212 (2003) 135
Irradiation induced metastable phase formation in thermally immiscible Co–Ag multilayers, S. Amirthapandian, B.K. Panigrahi, A.K. Srivastava, A. Gupta, K.G.M. Nair, R.V. Nandedkar and A. Narayanasamy . . . 212 (2003) 140
Damage and substitution anomalies for MeV Sb implantation in Si(1 0 0) after high-energy irradiation, S. Dey and S. Varma . . . 212 (2003) 146
Mössbauer studies of 190 MeV Ag ion irradiated $NiMn_{0.05}Ti_xMg_xFe_{1.95-2x}O_4$ ferrite, A. Dogra, M. Singh, N. Kumar, P. Sen and R. Kumar . . . 212 (2003) 190
The effect of nitrogen implantation on structural changes in semi-insulating InP, K. Santhakumar, P. Jayavel, G.L.N. Reddy, V.S. Sastry, K.G.M. Nair and V. Ravichandran . . . 212 (2003) 197
Role of interface modifications in ion-sputtering mechanism of gold thin films, D. Datta and S.R. Bhattacharyya . . . 212 (2003) 201
Swift heavy ion induced interface modification in Ni/Ge, T. Som, B. Satpati, P.V. Satyam, D. Kabiraj, P. Ayyub, S. Ghosh, A. Gupta, B.N. Dev and D.K. Avasthi . . . 212 (2003) 206
Observation of smoothing and self-affine fractal roughness on MeV ion-irradiated Si surfaces, D.K. Goswami and B.N. Dev . . . 212 (2003) 253
STM and Raman spectroscopic study of graphite irradiated by heavy ions, J. Liu, M.D. Hou, C. Trautmann, R. Neumann, C. Müller, Z.G. Wang, Q.X. Zhang, Y.M. Sun, Y.F. Jin, H.W. Liu and H.J. Gao . . . 212 (2003) 303
Correction of systematic errors in scanning force microscopy images with application to ion track micrographs, C. Müller, K.-O. Voss, M. Lang and R. Neumann . . . 212 (2003) 318
Depth selective XANES study of swift heavy ion irradiation effects in metal/Si systems, A. Gupta, C. Meneghini, A. Saraiya, G. Principi and D.K. Avasthi . . . 212 (2003) 458
Studies on the nitrogen ion irradiation induced defects in n-GaAs by deep level transient spectroscopy, P. Jayavel, K. Santhakumar and K. Asokan . . . 212 (2003) 496
In situ monitoring of electrical resistance of nanoferrite thin film irradiated by 190 MeV Au^{14+} ions, S. Ghosh, P. Ayyub, N. Kumar, S.A. Khan and D. Banerjee . . . 212 (2003) 510
Reaction kinetics of annealing of high energy implantation by XRD, G.P. Nair, K.S. Chandrasekaran, B.M. Arora, A.M. Narsale, M.M. Belekar and K.V. Sukhatankar . . . 212 (2003) 535
MCNP™Version 5, R.A. Forster, L.J. Cox, R.F. Barrett, T.E. Booth, J.F. Briesmeister, F.B. Brown, J.S. Bull, G.C. Geisler, J.T. Goorley, R.D. Mosteller, S.E. Post, R.E. Prael, E.C. Selcow and A. Sood . . . 213 (2004) 82
A Monte Carlo simulation approach for generating NaI detector response functions (DRFs) that accounts for non-linearity and variable flat continua, R.P. Gardner and A. Sood . . . 213 (2004) 87
A new Monte Carlo assisted approach to detector response functions, A. Sood and R.P. Gardner . . . 213 (2004) 100
Diffusion of photons with arbitrary state of polarization: the Monte Carlo code MCSHAPE, J.E. Fernandez, V.G. Molinari, M. Bastiano and V. Scot . . . 213 (2004) 105
EGS OvrEzy, the object-oriented visual user interface for the EGS particle transport code, A.M. Yacout and W.L. Dunn . . . 213 (2004) 149
The status of the general radiation transport code MCBEND, G.A. Wright, E. Shuttleworth, M.J. Grimstone and A.J. Bird . . . 213 (2004) 162
Verification of the pulse height tally in MCNP 5, A. Sood, R.A. Forster, B.J. Adams and M.C. White . . . 213 (2004) 167
MCNP optimization of filtered neutron beams for calibration of the SIMPLE detector, C. Oliveira, F. Giuliani, T.A. Girard, J.G. Marques, J. Salgado, J.I. Collar, T. Morlat, D. Limagne and G. Waysand . . . 213 (2004) 172
Comparison and physical interpretation of MCNP and TART neutron and γ Monte Carlo shielding calculations for a heavy-ion ICF system, E. Mainardi, F. Premuda and E. Lee . . . 213 (2004) 182
Extension to cylindrical samples of the universal curve of resonance neutron self-shielding factors, I.F. Gonçalves, E. Martinho and J. Salgado . . . 213 (2004) 186

Radiation damage induced by 2 MeV protons in CdTe and CdZnTe semiconductor detectors, M. Zanarini, P. Chirco, W. Dusi, N. Auricchio, A. Cavallini, B. Fraboni, P. Siffert and M. Bianconi 213 (2004) 315
Study of light transmittance from layers of Fricke-xylenol-orange-gel dosimeters, G. Gambarini, C. Birattari, M. Mariani, R. Marchesini, L. Pirola, P. Prestini, M. Sella and S. Tomatis 213 (2004) 321
Green stimulated luminescence of ZrO_2 + PTFE to UV radiation dosimetry, T. Rivera, J. Azorin, C. Furetta, C. Falcony, M. Garcia and E. Martinez 213 (2004) 325
Thermoluminescence (TL) characteristics of perovskite-like $KMgF_3$ activated by La ions, F. Sepulveda, J. Azorin, T. Rivera, C. Furetta and C. Sanipoli 213 (2004) 329
Influence of pre-irradiation annealing and $Li_xCo_{1-x}O$ thin film deposition on the TL response of soda lime glass, F.A. Balogun, J.O. Ojo, F.O. Ogundare, S.O. Abulude, M.A. Eleruja, M.K. Fasasi, G.O. Egharevba and E.O.B. Ajayi 213 (2004) 333
Dose responses of diamond detectors to monoenergetic X-rays, Z. Yin, R.P. Hugtenburg, S. Green and A.H. Beddoe 213 (2004) 646
Recombination index of radiation quality of low-LET radiation, N. Golnik, S. Mayer and M. Zielczyński . . 213 (2004) 650
Calculation of effective dose from external exposure to photons for the Male Adult voXel (MAX) phantom, J.W. Vieira, R. Kramer and F.R.A. Lima 213 (2004) 654
Dosimetric control of ^{90}Sr–^{90}Y source trains for endovascular brachytherapy by radiochromic film, F. Tondeur, I. Gerardy, J. Guillaume and M. Van Dycke 213 (2004) 658
Monte Carlo simulation for dose distribution calculations in a CT-based phantom at the Portuguese gamma irradiation facility, C. Oliveira, H. Yoriyaz, M. Carmo Oliveira and L.M. Ferreira 213 (2004) 662
In-phantom dose mapping in neutron capture therapy by means of solid state detectors, S. Baccaro, A. Cemmi, C. Colombi, M. Fioccа, G. Gambarini, B. Lietti and G. Rosi 213 (2004) 666
Biological effectiveness of antiproton annihilation, C. Maggiore, N. Agazaryan, N. Bassler, E. Blackmore, G. Beyer, J.J. DeMarco, M. Doser, C.R. Gruhn, M.H. Holzscheiter, T. Ichioka, K.S. Iwamoto, H.V. Knudsen, R. Landua, W.H. McBride, S.P. Moller, J. Petersen, J.B. Smathers, L.D. Skarsgard, T.D. Solberg, U.I. Uggerhoj, H.R. Withers and B.G. Wouters 214 (2004) 181
The effect of coatings on retention and permeation in SS 316L APT tritium production tubes, K.L. Hertz, R.A. Causey and D.F. Cowgill 215 (2004) 143
Optical absorption in Ar^+ irradiated silicon studied through spectroscopic ellipsometry, S. Tripura Sundari . . 215 (2004) 157
Simple kinetic model of ion induced gas emission from polymers, V. Hnatowicz 215 (2004) 162
UV–VIS spectroscopic and etching studies of IR exposed CR-39 plastic track detector, S. Singh and S. Prasher 215 (2004) 169
The influence of heating rate on the TL response of the main glow peaks 5 and 4 + 5 of sensitized TLD-100 treated by two different annealing protocols, A. Necmeddin Yazici 215 (2004) 174
Radiation effects to cold moderator materials: Experimental study of accumulation and release of chemical energy, E. Kulagin, S. Kulikov, V. Melikhov and E. Shabalin 215 (2004) 181
Gamma-rays and pulsed X-ray radiation responses of nitrogen-, germanium-doped and pure silica core optical fibers, S. Girard, J. Keurinck, A. Boukenter, J.-P. Meunier, Y. Ouerdane, B. Azais, P. Charre and M. Vié 215 (2004) 187
Volatile evolution from polymer materials induced by irradiation with He^{++} ions and comparative pyrolysis experiments, J.J. Murphy, M. Patel, A.R. Skinner, I.M. Horn, S.J. Powell and P.F. Smith 215 (2004) 423
Effect of electron irradiation and heat treatment on the multi-step transformation in a Ni-rich near-equiatomic TiNi alloy, Z.G. Wang, X.T. Zu, Y. Huo, S. Zhu, X.W. Wei and L.M. Wang 215 (2004) 436
Determination of CR-39 detection efficiency for fast neutron registration and the absolute neutron dosimetry, A.R. El-Sersy, N.E. Khaled and S.A. Eman 215 (2004) 443
Proton irradiation experiments of optocouplers, K. Ikezawa, S. Mitsuishi and T. Maruyama 215 (2004) 449
I–V and deep level transient spectroscopy studies on 60 MeV oxygen ion irradiated NPN transistors, A.P. Gnana Prakash, S.C. Ke and K. Siddappa 215 (2004) 457
Radical formation induced by γ radiation in poly(vinyl chloride) powder, L. Costa, V. Brunella, M.C. Paganini, S. Baccaro and A. Cecilia 215 (2004) 471
High-field conduction in high-density polyethylene thin films irradiated with electron beams, H.M. Abdel-Hamid, S.M. El-Sayed and R.M. Radwan 215 (2004) 479
Ion beam induced defects in crystalline silicon, F. Cristiano, N. Cherkashin, X. Hebras, P. Calvo, Y. Lamrani, E. Scheid, B. de Mauduit, B. Colombeau, W. Lerch, S. Paul and A. Claverie 216 (2004) 46
The laser annealing induced phase transition in silicon: a molecular dynamics study, L.A. Marqués, L. Pelaz, M. Aboy and J. Barbolla 216 (2004) 57
Chemically guided epitaxy of Rb-ion amorphized α-quartz: the roles of Rb and oxygen, S. Gasiorek, S. Dhar, J. Keinonen, K.P. Lieb and T. Sajavaara 216 (2004) 62

Damage accumulation and dopant migration during shallow As and Sb implantation into Si, M. Werner, J.A. van den Berg, D.G. Armour, W. Vandervorst, E.H.J. Collart, R.D. Goldberg, P. Bailey and T.C.Q. Noakes 216 (2004) 67
Depth dependence of defect evolution and TED during annealing, B. Colombeau, N.E.B. Cowern, F. Cristiano, P. Calvo, Y. Lamrani, N. Cherkashin, E. Lampin and A. Claverie 216 (2004) 90
Thermal evolution of {1 1 3} defects in silicon: transformation against dissolution, P. Calvo, A. Claverie, N. Cherkashin, B. Colombeau, Y. Lamrani, B. de Mauduit and F. Cristiano 216 (2004) 173
Ion bombardment induced morphology modifications on self-organized semiconductor surfaces, C. Hofer, S. Abermann, C. Teichert, T. Bobek, H. Kurz, K. Lyutovich and E. Kasper 216 (2004) 178
Electroluminescence properties of SiO_x layers implanted with rare earth ions, A. Irrera, M. Miritello, D. Pacifici, G. Franzò, F. Priolo, F. Iacona, D. Sanfilippo, G. Di Stefano and P.G. Fallica. 216 (2004) 222
Diffusion of ion beam injected self-interstitial defects in silicon layers grown by molecular beam epitaxy, D. De Salvador, E. Napolitani, S. Mirabella, G. Impellizzeri, F. Priolo, A. Terrasi, G. Bisognin, M. Berti, A.V. Drigo and A. Carnera. 216 (2004) 286
A simple model for boron trapping by He implantation extended defects in Si: the role of boron diffusivity, F. Cayrel, D. Alquier, D. Mathiot, L. Ventura, L. Vincent, G. Gaudin and R. Jérisian 216 (2004) 291
Ion beam induced coherent displacement in Al on Au system, J. Peltola and K. Nordlund 216 (2004) 308
Microstructure of N^+ ion beam induced epitaxial crystallized Si, P.K. Sahoo, S. Gupta, A. Pradhan and V.N. Kulkarni 216 (2004) 313
Comparative analysis of the implantation-induced structural modifications in GaAs and Ge, I.D. Desnica-Frankovic 216 (2004) 318
Cathodoluminescence of α-quartz after hot Ge ion irradiation, P.K. Sahoo, S. Dhar, S. Gasiorek and K.P. Lieb 216 (2004) 324
Irradiation effects in carbon nanotubes, A.V. Krasheninnikov and K. Nordlund 216 (2004) 355
Radioluminescence detection of bulk effects in $SrTiO_3$ induced by surface ion implantation, B. Yang, P.D. Townsend and R. Fromknecht 217 (2004) 60
Investigation of irradiated monolithic transistors for space applications, D. Codegoni, A. Colder, N. Croitoru, P. D'Angelo, M. DeMarchi, G. Fallica, A. Favalli, S. Leonardi, M. Levalois, P. Marie, R. Modica, P.G. Rancoita and A. Seidman 217 (2004) 65
Absorbed doses and radiation damage during the 11 years of LEP operation, H. Schönbacher and M. Tavlet 217 (2004) 77
Cell proliferation on UV-excimer lamp modified and grafted polytetrafluoroethylene, V. Švorčík, K. Ročková, E. Ratajová, J. Heitz, N. Huber, D. Bäuerle, L. Bačáková, B. Dvořánková and V. Hnatowicz 217 (2004) 307
Thermally stimulated luminescence studies of undoped and doped $K_2B_4O_7$ compounds, J. Manam and S.K. Sharma 217 (2004) 314
Effect of <200 keV proton radiation on electric properties of silicon solar cells at 77 K, Z. Hu, S. He and D. Yang. 217 (2004) 321
Effects of γ irradiation on the characteristics of the Cu–13wt.%Al–4wt.%Ni shape memory alloy, R. Zengin and M. Ceylan 217 (2004) 327
EPR study of defects produced by MeV Ag ion implantation into silicon, C. O'Raifeartaigh, R.C. Barklie and J.K.N. Lindner. 217 (2004) 442
Role of UV light illumination and DMF soaking in production of PET ion track membranes, Z. Zhu, Y. Maekawa, H. Koshikawa, Y. Suzuki, N. Yonezawa and M. Yoshida 217 (2004) 449
Neutron-induced luminescence and activation in neutron shielding and scintillation detection materials at cryogenic temperatures, S.N. Dzhosyuk, C.E.H. Mattoni, D.N. McKinsey, A.K. Thompson, L. Yang, J.M. Doyle and P.R. Huffman. 217 (2004) 457
ESR dosimetric properties of modern coral reef, M.A. Sharaf and G.M. Hassan 217 (2004) 603
Effect of annealing in thermostimulated luminescence (TSL) on natural blue colour calcite crystals, V. Ponnusamy, V. Ramasamy, M. Dheenathayalu and J. Hemalatha 217 (2004) 611
Etching characteristics for tracks of carbon cluster ions in polycarbonate, Z. Zhao, D. Qi and Z. Guo 217 (2004) 621
Kinetic model for the relationship between confined fission-track length shortening and fission-track age reduction in minerals, S. Guedes, J.C. Hadler Neto, P. José Iunes and C.A. Tello Saenz. 217 (2004) 627
Sensitivity of LR 115 detectors in hemispherical chambers for radon measurements, D. Nikezic, F.M.F. Ng and K.N. Yu 217 (2004) 637
Radiation effects in insulators: past, present, future, C.J. McHargue 218 (2004) 1
The ITER project: the role of insulators, A. Ibarra and E.R. Hodgson 218 (2004) 29
Comparative study of radiation damage in GaN and InGaN by 400 keV Au implantation, E. Wendler, W. Wesch, E. Alves and A. Kamarou 218 (2004) 36
Effect of oxide band structure on the emission process of excited atoms under ion bombardment, V.V. Bobkov, S.P. Gokov, V.V. Gritsyna, V.T. Gritsyna and D.I. Shevchenko. 218 (2004) 46

Structures and energetics of defects: a comparative study of 3C- and 4H-SiC, F. Gao, M. Posselt, V. Belko, Y. Zhang and W.J. Weber 218 (2004) 74
Damage accumulation and amorphization in samarium titanate pyrochlore, Y. Zhang, V. Shutthanandan, R. Devanathan, S. Thevuthasan, D.E. McCready, J. Young, G. Balakrishnan, D.M. Paul and W.J. Weber 218 (2004) 89
Computational methods to study radiation effects in oxide materials, L.R. Corrales 218 (2004) 95
Characterization of an ion irradiation induced phase transformation in monoclinic zirconia, J.A. Valdez, M. Tang, Z. Chi, M.I. Peters and K.E. Sickafus 218 (2004) 103
Influence of high-fluence neutron and/or proton irradiation on the optical properties and microstructure of rutile, T. Lu, L. Lin, X. Zu, S. Zhu and L. Wang 218 (2004) 111
EXELFS/ELNES study of electron irradiation-induced oxidation of α-SiC, S. Muto, H. Sugiyama, T. Kimura, T. Tanabe and T. Maruyama 218 (2004) 117
Radiation-induced charge trapping and recombination process in natural topaz studied by TL, EPR and XRD, D.N. Souza, J.F. de Lima, M.E.G. Valerio, J.M. Sasaki and L.V.E. Caldas 218 (2004) 123
Temperature dependence of luminescence from silica glasses under in-reactor and ^{60}Co gamma-ray irradiation, S. Takahara, T. Yoshida, T. Tanabe, T. Ii, M. Hirano and M. Okada 218 (2004) 133
Optical changes induced by high fluence implantation of Au ions on sapphire, C. Marques, E. Alves, R.C. da Silva, M.R. Silva and A.L. Stepanov 218 (2004) 139
Computer modelling of radiation generated defects in BGO scintillators, R.A. Jackson and M.E.G. Valerio 218 (2004) 145
Copper nanocolloids in MgO crystals implanted with Cu ions, B. Savoini, D. Cáceres, R. González, Y. Chen, J.V. Pinto, R.C. da Silva and E. Alves 218 (2004) 148
Depolarization currents in Al_2O_3 and $MgAl_2O_4$ oxides, R.P.M. Carvalhaes, M.S. Rocha, S.S. de Souza and A.R. Blak 218 (2004) 158
Electrical conductivity of as-grown and oxidized MgO:Li crystals implanted with Li ions, M. Tardio, R. Ramirez, R. González, J.V. Pinto, R.C. da Silva, E. Alves and Y. Chen 218 (2004) 164
β irradiation in borosilicate glasses: the role of the mixed alkali effect, N. Ollier, B. Boizot, B. Reynard, D. Ghaleb and G. Petite 218 (2004) 176
Depolarization currents and low-frequency measurements in X-ray irradiated barium aluminoborate glasses, M.S.F. da Rocha, A.R. Blak, W.M. Pontuschka, R.P.M. Carvalhaes and P.V.A. Bergo 218 (2004) 183
Radiation effects on the dielectric properties of fused silica, J. Mollá and A. Ibarra 218 (2004) 189
Thermoluminescent characteristics of mineral samples acquired as jade, A.P. Melo, M.E.G. Valerio and L.V.E. Caldas 218 (2004) 198
FT-IR study on the effect of OH content on the damage process in silica glasses irradiated by hydrogen, T. Yoshida, T. Tanabe, M. Hirano and S. Muto 218 (2004) 202
Effects of high gamma ray doses in quartz, G.O. Sawakuchi and E. Okuno 218 (2004) 217
Defect production in nitrogen implanted sapphire, E. Alves, C. Marques, L.C. Ononye and C. McHargue . . . 218 (2004) 222
The effect of temperature on the structure of iron-implanted sapphire, C.J. McHargue, L.C. Ononye, E. Alves, C. Marques and L.F. Allard 218 (2004) 227
Ion beam irradiation in $La_2Zr_2O_7$–$Ce_2Zr_2O_7$ pyrochlore, J. Lian, L.M. Wang, R.G. Haire, K.B. Helean and R.C. Ewing 218 (2004) 236
Visible and VUV optical absorption studies of Mg-colloids and colour centres in MgF_2 crystals implanted by 100 keV Mg-ions, G.O. Amolo, J.D. Comins, A.T. Davidson, A.G. Kozakiewicz, T.E. Derry and D.S. McLachlan 218 (2004) 244
Effects of various dopants on NaCl and KCl glow curves, A.T. Davidson, A.G. Kozakiewicz, T.E. Derry, J.D. Comins and M. Suszynska 218 (2004) 249
Effects of Mn and Fe impurities on the TL and EPR properties of artificial spodumene polycrystals under irradiation, S.O. Souza, G.M. Ferraz and S. Watanabe 218 (2004) 259
Optical transitions in magnesium aluminate spinel crystals of different compositions exposed to irradiation, V.T. Gritsyna, I.V. Afanasyev-Charkin, Yu.G. Kazarinov and K.E. Sickafus 218 (2004) 264
Photoluminescence of Er-implanted KTP and RTP crystals, A. Kling, M. Rico, C. Zaldo, M. Aguiló and F. Diaz 218 (2004) 271
Study of the ESR signal of gamma irradiated hydroxyapatite for dose assessment, Z.M. Da Costa, W.M. Pontuschka and L.L. Campos 218 (2004) 283
Low energy ion tracks in lithium fluoride, O. Avila and M.E. Brandan 218 (2004) 289
Thermal regression of latent tracks in the polymer irradiated by high energy heavy ions, A.I. Vilensky, D.L. Zagorski, P.Yu. Apel, N.V. Pervov, B.V. Mchedlishvili, V.N. Popok and N.N. Mel'nik 218 (2004) 294
$^{n}Li^{+}$ ion implantation into polystyrene, M.R.F. Soares, P. Alegaonkar, M. Behar, D. Fink and M. Müller . . 218 (2004) 300

UV–VUV laser induced phenomena in SiO_2 glass, K. Kajihara, Y. Ikuta, M. Oto, M. Hirano, L. Skuja and H. Hosono . . . 218 (2004) 323
Laser irradiation of ion beam synthesized Ge nanocrystals in SiC, A. Hedler, S. Urban, T. Kups, U. Kaiser and W. Wesch . . . 218 (2004) 337
Etched ion tracks in silicon oxide and silicon oxynitride as charge injection or extraction channels for novel electronic structures, D. Fink, A.V. Petrov, K. Hoppe, W.R. Fahrner, R.M. Papaleo, A.S. Berdinsky, A. Chandra, A. Chemseddine, A. Zrineh, A. Biswas, F. Faupel and L.T. Chadderton . . . 218 (2004) 355
Irradiation effects of proton bombarded poly-Si/SiO_2/Si structure, R. Parizotto and H. Boudinov . . . 218 (2004) 362
Electron irradiation induced phase separation in a sodium borosilicate glass, K. Sun, L.M. Wang, R.C. Ewing and W.J. Weber . . . 218 (2004) 368
Mechanical properties of polyhedral oligomeric silsesquioxane (POSS) thin films submitted to Si irradiation, C.E. Foerster, F.C. Serbena, I.T.S. Garcia, C.M. Lepienski, L.S. Roman, J.R. Galvão and F.C. Zawislak . . . 218 (2004) 375
Variable temperature Hall-effect measurements in ion bombarded InP, G.C. Pesenti, H. Boudinov, C. Carmody and C. Jagadish . . . 218 (2004) 386
Damage formation in high energy helium implanted 4H-SiC, E. Oliviero, M.F. Beaufort, F. Pailloux and J.F. Barbot . . . 218 (2004) 391
Electron microscopy and positron annihilation study of CdSe nanoclusters embedded in MgO, M.A. van Huis, A. van Veen, H. Schut, S.W.H. Eijt, B.J. Kooi and J.Th.M. De Hosson . . . 218 (2004) 410
Stability of nanoparticles in $LiNbO_3$ induced by negative Cu ions and ultrafast nonlinear optical property, N. Kishimoto, N. Okubo, O.A. Plaksin, N. Umeda, J. Lu and Y. Takeda . . . 218 (2004) 416
EXAFS characterisation of Ge nanocrystals in silica, M.C. Ridgway, G. de M. Azevedo, C.J. Glover, R.G. Elliman, D.J. Llewellyn, A. Cheung, B. Johannessen, D.A. Brett and G.J. Foran . . . 218 (2004) 421
Amorphization processes in Au ion irradiated GaN at 150–300 K, W. Jiang, W.J. Weber, L.M. Wang and K. Sun . . . 218 (2004) 427
Compositional evolution of Pd-based nanoclusters under thermal annealing in ion implanted SiO_2, G. Mattei, G. Battaglin, V. Bello, E. Cattaruzza, C. De Julian, G. De Marchi, C. Maurizio, P. Mazzoldi, M. Parolin and C. Sada . . . 218 (2004) 433
Pre-irradiation memory effect on the photoluminescence intensity of Ge-implanted SiO_2 layers, J.M.J. Lopes, F.C. Zawislak, P.F.P. Fichtner, M. Behar, L. Rebohle and W. Skorupa . . . 218 (2004) 438
TEM and PL characterization of erbium and oxygen co-implanted LT-GaAs:Be, R.L. Maltez, E. Ribeiro, A.A. Bernussi, L. Amaral, M. Behar, P. Specht and Z. Liliental-Weber . . . 218 (2004) 444
Radial variation of track damage in polycarbonate, D.H. Francisco, L. Vanni, O.A. Bernaola, G. Saint Martin and A. Filevich . . . 218 (2004) 461
Etch-pit morphology of tracks caused by swift heavy ions in natural dark mica, M. Lang, U.A. Glasmacher, B. Moine, R. Neumann and G.A. Wagner . . . 218 (2004) 466
Decoration of swift heavy ion tracks in nickel-oxide with gold atoms, W. Bolse and J. Wiesner . . . 218 (2004) 479
On the use of the $^{16}O(^4He,^4He)^{16}O$ resonance for the evaluation of radiation damage in oxides, L. Thomé, A. Gentils, J. Jagielski, S.E. Enescu and F. Garrido . . . 219–220 (2004) 99
Optical transmission of silica glass during swift-heavy-ion implantation, O. Plaksin, N. Okubo, Y. Takeda, H. Amekura, K. Kono and N. Kishimoto . . . 219–220 (2004) 294
Ion beam induced luminescence of doped yttrium compounds, P. Rossi, D.K. Brice, C.H. Seager, F.D. McDaniel, G. Vizkelethy and B.L. Doyle . . . 219–220 (2004) 327
Annealing behavior of Al-implantation-induced disorder in 4H–SiC, Y. Zhang, W.J. Weber, W. Jiang, V. Shutthanandan, S. Thevuthasan, M. Janson and A. Hallén . . . 219–220 (2004) 647
Effect of ion current density on damage in Al ion implanted SiC, G. Battistig, J. García López, Y. Morilla, N.Q. Khánh, T. Lohner, P. Petrik and A.R. Ramos . . . 219–220 (2004) 652
Relationship between damage evolution and Si–H complexes formation in hydrogen implanted Si, J.K. Lee, T. Höchbauer, R.D. Averitt and M. Nastasi . . . 219–220 (2004) 662
A study on radiation damage of IGBTs by 2-MeV electrons at different irradiation temperatures, M. Nakabayashi, H. Ohyama, N. Hanano, T. Kamiya, T. Hirao, K. Takakura, E. Simoen and C. Claeys . . . 219–220 (2004) 676
Formation of bubbles and extended defects in He implanted (1 0 0) Si at elevated temperatures, D.L. da Silva, M.J. Mörschbächer, P.F.P. Fichtner, E. Oliviero and M. Behar . . . 219–220 (2004) 713
Radiation damages of InGaAs photodiodes by high-temperature electron irradiation, H. Ohyama, K. Takakura, M. Nakabayashi, T. Hirao, S. Onoda, T. Kamiya, E. Simoen, C. Claeys, S. Kuboyama, K. Oka and S. Matsuda . . . 219–220 (2004) 718
Atomic transport in insulators under high-flux heavy-ion implantation, N. Kishimoto, O.A. Plaksin, N. Umeda and Y. Takeda . . . 219–220 (2004) 810

Study on interfacial dislocations of Si substrate/epitaxial layer by defect trapping, L. Shao, X. Wang, I. Rusakova, H. Chen, J. Liu, P.E. Thompson, P.A.W. van der Heide and W.-K. Chu 219–220 (2004) 938
The role of high-injection effects on the transient ion beam induced current response of high-speed photodetectors, J.S. Laird, T. Hirao, S. Onoda and T. Kamiya 219–220 (2004) 1015
Theory of ion beam induced charge measurement in semiconductor devices based on the Gunn's theorem, E. Vittone 219–220 (2004) 1043

Analysis of Materials

Non-destructive EDXRF-analysis of the golden haloes of Giotto's frescos in the Chapel of the Scrovegni in Padua, R. Cesareo 211 (2003) 133
Backscattering spectrometry studies on metal ion distribution in polymer inclusion membranes, R. Tripathi, A.K. Pandey, S. Sodaye, B.S. Tomar, S.B. Manohar, S. Santra, K. Mahata, P. Singh and S. Kailas 211 (2003) 138
Geochemical studies of monazite sands of Chhatrapur beach placer deposit of Orissa, India by PIXE and EDXRF method, A.K. Mohanty, S.K. Das, V. Vijayan, D. Sengupta and S.K. Saha 211 (2003) 145
Study of the oxygen precipitation behaviour in silicon crystals using CPAA channelling, H. Erramli, M.A. Misdaq, G. Blondiaux, C.M. Vinante and D. Barbier 211 (2003) 155
A new 3D micro X-ray fluorescence analysis set-up – First archaeometric applications, B. Kanngießer, W. Malzer and I. Reiche 211 (2003) 259
Artificial neural network analysis of RBS data with roughness: Application to $Ti_{0.4}Al_{0.6}N$/Mo multilayers, G. Öhl, V. Matias, A. Vieira and N.P. Barradas 211 (2003) 265
The help of simulation codes in designing waste assay systems using neutron measurement methods: Application to the alpha low level waste assay system PROMETHEE 6, A. Mariani, C. Passard, F. Jallu and H. Toubon 211 (2003) 389
Investigation on the oxidation process of SiCO glasses by the means of non-Rutherford backscattering spectrometry, A. Vomiero, S. Modena, G.D. Soraru, R. Raj, Y. Blum and G. Della Mea 211 (2003) 401
Reproducing the backscattering spectrum of an amorphous target from a single crystal, F.H. Eisen and M.-A. Nicolet 211 (2003) 408
Ag(1 0 0) surface density of states probed by metastable deexcitation spectroscopy: A comparison between experiment and theory, L. Pasquali, M.C. Sapet, E.M. Staicu-Casagrande, P. Cortona, V.A. Esaulov, S. Nannarone, M. Canepa, S. Terreni and L. Mattera 212 (2003) 274
XPS and LEED study of Argon bombarded Al(1 1 1) surface, C. Biswas, A.K. Shukla, S. Banik, V.K. Ahire and S.R. Barman 212 (2003) 297
Ion beam characterization and engineering of strain in semiconductor multi-layers, S.V.S. Nageswara Rao, A.P. Pathak, A.M. Siddiqui, D.K. Avasthi, C. Muntele, D. Ila, B.N. Dev, R. Muralidharan, F. Eichhorn, R. Groetzschel and A. Turos 212 (2003) 442
Ion scattering studies of the formation and thermal stability of the Ti–Al interface, C.V. Ramana, B.-S. Choi, R. Hutchison and R.J. Smith 212 (2003) 465
Simulation of radiotracer method for diffusion studies using short-lived radioactive nuclear beams, S.C. Jeong, I. Katayama, H. Kawakami, H. Ishiyama, H. Miyatake, M. Sataka, A. Iwase, S. Okayasu, H. Sugai, S. Ichikawa, K. Nishio, Y. Sugiyama, M. Yahagi, K. Takada and M. Watanabe 212 (2003) 483
Resonance scattering and RBS from non-stoichiometric oxides, U. De, K.C. Verma, P. Karmakar, A. Sarkar, S. Dey and S. Verma 212 (2003) 505
Molecular dynamic analysis of the structure of dendrimers, E. Canetta and G. Maino 213 (2004) 71
The analog linear interpolation approach for Monte Carlo simulation of PGNAA: The CEARPGA code, W. Zhang and R.P. Gardner 213 (2004) 116
Bremsstrahlung emission spectrum for electron microprobe analysis, S. Manservisi, V. Molinari and F. Rocchi 213 (2004) 134
Analytical developments in the Wong–Fung–Tam–Gao radiation model of thermal diffusivity, U. Lucia and G. Maino 213 (2004) 139
The determination of residence times in a pilot plant, F.P. Ramirez and M.E. Cortés 213 (2004) 144
Study of Compton scattering signals in single-sided imaging applications using Monte Carlo methods, L.M.N. Tavora and W.B. Gilboy 213 (2004) 155
Thermal neutron self-shielding correction factors for large sample instrumental neutron activation analysis using the MCNP code, F. Tzika and I.E. Stamatelatos 213 (2004) 177
The characterization of legacy radioactive materials by gamma spectroscopy and prompt gamma activation analysis (PGAA), G.A. English, R.B. Firestone, D.L. Perry, J. Reijonen, B. Ludewigt, K.-N. Leung, G. Garabedian, G. Molnar and Z. Revay 213 (2004) 410

An application of gamma/X-ray/weighing methods for the complete in field assay of nuclear materials, G. Brunetti, F.V. Frazzoli, D. Parise, T. Dragnev, R. Abedin-Zadeh, M. Aparo, S. Guardini and A. Ravazzani . . . 213 (2004) 414
Hidden substances identification by detection of fast neutron induced γ rays using associated α particle technique, S. Blagus, D. Sudac and V. Valković . . . 213 (2004) 434
Sherlock Holmes counts the atoms, C. Tuniz, U. Zoppi and M.A.C. Hotchkis . . . 213 (2004) 469
Low-energy ED-XRF spectrometry application in gold assaying, A. Marucco . . . 213 (2004) 486
Research on fatigue cracking growth parameters in asphaltic mixtures using computed tomography, D. Braz, R.T. Lopes and L.M.G. Motta . . . 213 (2004) 498
Characterisation of coal and minerals using Compton profile analysis, J. Tickner and G. Roach . . . 213 (2004) 507
Impurities and evaluation of induced activity of SiC_f/SiC composites, I.E. Stamatelatos, K. Mergia, G. Lefkopoulos and R. Forrest . . . 213 (2004) 511
Contribution of Coulomb excitation techniques in quantitative analysis of materials, L. Craciun, E. Dragulescu, O. Muresan, A.T. Serban and P.M. Racolta . . . 213 (2004) 515
Study of diffusion at surface of multilayered Cu/Au films on monocrystalline silicon, C. Benazzouz, N. Benouattas, S. Iaiche and A. Bouabellou . . . 213 (2004) 519
Quality control by autoradiography for the thin layer activation technique, N. Manderlier and T. Delvigne . . . 213 (2004) 523
The use of prompt gamma activation analysis (PGAA) for the analyses and characterization of materials: Photochromic materials, D.L. Perry, G.A. English, R.B. Firestone, K.-N. Leung, J. Reijonen, B. Ludewigt, G. Garabedian, G.L. Molnar and Zs. Revay . . . 213 (2004) 527
In situ determination of sulphur in coal seams and overburden rock by PGNAA, M. Borsaru, M. Berry, M. Biggs and A. Rojc . . . 213 (2004) 530
Prompt gamma activation analysis of boron in reference materials using diffracted polychromatic neutron beam, S.H. Byun, G.M. Sun and H.D. Choi . . . 213 (2004) 535
X-ray fluorescence and the study of microcirculation, P. Muthuvelu, R.P. Hugtenburg, D.A. Bradley and C.P. Winlove . . . 213 (2004) 548
Anomalous Rayleigh scattering with dilute concentrations of elements of biological importance, R.P. Hugtenburg and D.A. Bradley . . . 213 (2004) 552
Effect of gallium on in vitro aortic valve cusp mineralization – EDXRF studies, A. Wrobel, G. Goncerz, J. Kunz, P. Podolec and E. Rokita . . . 213 (2004) 556
Optimization of an in vivo X-ray fluorescence mercury measurement system, J.M. O'Meara, J. Börjesson, D.R. Chettle and F.E. McNeill . . . 213 (2004) 560
A synchrotron XRF study on trace elements and potassium in breast tissue, K. Geraki, M.J. Farquharson, D.A. Bradley and R.P. Hugtenburg . . . 213 (2004) 564
Elemental mapping of teeth using μSRXRF, M.J. Anjos, R.C. Barroso, C.A. Pérez, D. Braz, S. Moreira, K.R.H.C. Dias and R.T. Lopes . . . 213 (2004) 569
Preliminary studies on K and L coincidence spectroscopy for optimizing the in vivo XRF measurement of lead in bone, W. Guo, R.P. Gardner and W.A. Metwally . . . 213 (2004) 574
A study of MDL improvement for the in vivo measurement of lead in bone, H. Nie, D. Chettle, I. Stronach, M. Arnold, S. Huang, F. McNeill and J. O'Meara . . . 213 (2004) 579
Determination of lead in blood by TXRF and its correlation to environmental lead, T. Martinez, J. Lartigue, P. Avila-Perez, G. Zarazua, L. Cabrera, S. Tejeda and A. Ramirez . . . 213 (2004) 584
Distribution and chemical state analysis of iron in the Parkinsonian substantia nigra using synchrotron radiation micro beams, A. Ide-Ektessabi, T. Kawakami and F. Watt . . . 213 (2004) 590
Measurements of X-ray scatter signatures for some tissue-equivalent materials, M.E. Poletti, O.D. Gonçalves and I. Mazzaro . . . 213 (2004) 595
The effect of lead in bone densitometry, M. Popovic, F.E. McNeill, C.E. Webber and D.R. Chettle . . . 213 (2004) 599
The use of radiation for the study of material of cultural heritage significance, D.C. Creagh and V. Otieno-Alego . . . 213 (2004) 670
Paintings – high-energy protons detect pigments and paint-layers, A. Denker and J. Opitz-Coutureau . . . 213 (2004) 677
Radiation applications in art and archaeometry X-ray fluorescence applications to archaeometry. Possibility of obtaining non-destructive quantitative analyses, M. Milazzo . . . 213 (2004) 683
A compact μ-XRF spectrometer for (in situ) analyses of cultural heritage and forensic materials, G. Vittiglio, S. Bichlmeier, P. Klinger, J. Heckel, W. Fuzhong, L. Vincze, K. Janssens, P. Engström, A. Rindby, K. Dietrich, D. Jembrih-Simbürger, M. Schreiner, D. Denis, A. Lakdar and A. Lamotte . . . 213 (2004) 693
Energy dispersive X-ray fluorescent (ED XRF) analyzer X-Art for investigation of artworks, A.S. Serebryakov, E.L. Demchenko, V.I. Koudryashov and A.D. Sokolov . . . 213 (2004) 699

Portable equipment for energy dispersive X-ray fluorescence analysis of Giotto's frescoes in the Chapel of the Scrovegni, R. Cesareo, A. Castellano, G. Buccolieri, S. Quarta, M. Marabelli, P. Santopadre, M. Leole and A. Brunetti . . . 213 (2004) 703
Investigation of defects in Fresco substrates by means of the ECoSp imaging system and the principal component image analysis, C. Bonifazzi, E. Lodi, G. Maino, V. Muzzioli, L. Nanetti, N. Ludwig, M. Milazzo and A. Tartari . . . 213 (2004) 707
Multivariate image analysis of ECoSp Compton spectra, C. Bonifazzi, E. Lodi, G. Maino, V. Muzzioli, L. Nanetti and A. Tartari . . . 213 (2004) 712
Spread of façon-de-Venise glassmaking through central and western Europe, Z. Smit, K. Janssens, O. Schalm and M. Kos . . . 213 (2004) 717
Determination of localized Fe^{2+}/Fe^{3+} ratios in inks of historic documents by means of μ-XANES, K. Proost, K. Janssens, B. Wagner, E. Bulska and M. Schreiner . . . 213 (2004) 723
Study of inks on paper engravings using portable EDXRF spectrometry, J.L. Ferrero, C. Roldán, D. Juanes, J. Carballo, J. Pereira, M. Ardid, J.L. Lluch and R. Vives . . . 213 (2004) 729
X-ray fluorescence in research on Czech cultural monuments, T. Čechák, J. Gerndt, I. Kopecká and L. Musilek . . . 213 (2004) 735
EDXRF study of Prehistoric artefacts from Quinta do Almaraz (Cacilhas, Portugal), M.F. Araújo, L. de Barros, A.C. Teixeira and A.A. de Melo . . . 213 (2004) 741
MicroCT Scan in paleobiology: application to the study of dental tissues, M. Rossi, F. Casali, D. Romani, L. Bondioli, R. Macchiarelli and L. Rook . . . 213 (2004) 747
Dating sediment deposits on Montalvanian carvings using EPR and TL methods, M.D. Sastry, H.S.L. Sullasi, F. Camargo, S. Watanabe, A.P.P. Prous and M.M.C. Silva . . . 213 (2004) 751
Irradiation for dating Brazilian fish fossil by thermoluminescence and EPR technique, H.S. Sullasi, M.B. Andrade, W.E.F. Ayta, M. Frade, M.D. Sastry and S. Watanabe . . . 213 (2004) 756
Application of synchrotron radiation microbeams to environmental monitoring, A. Ide-Ektessabi, K. Shirasawa, A. Kosrumi and M. Arechi . . . 213 (2004) 761
Laboratory scale studies on mitigation of high ^{222}Rn concentrations in air and water, A. Mamoon, M.A. Gomma and M. Sohsah . . . 213 (2004) 766
Air pollution biomonitoring survey in Morocco using k_0-INAA, T. El Khoukhi, R.M. Cherkaoui, A. Gaudry, S. Ayrault, A. Senhou, A. Chouak, Z. Moutia and E. Chakir . . . 213 (2004) 770
Monitoring the radon flux from gold-mine dumps by γ-ray mapping, R. Lindsay, R.J. de Meijer, P.P. Maleka, R.T. Newman, T.G.K. Motlhabane and D. de Villiers . . . 213 (2004) 775
Modelling the dispersion of ^{137}Cs in marine ecosystems with Monte Carlo methods, M. Toscano-Jimenez and R. Garcia-Tenorio . . . 213 (2004) 779
TRXRF analysis of environmental lead and heavy metals to monitor pollution in Caracas, Venezuela, S.M. Suarez, L. Sajo-Bohus, E.D. Greaves, J.R. Dominguez V and E. Villar . . . 213 (2004) 784
Use of PIXE analysis technique for the study of Beirut amphora production in the Roman period, M. Roumié, S.Y. Waksman, B. Nsouli, P. Reynolds and S. Lemaître . . . 215 (2004) 196
A PIXE study of elements transport in fluvial waters in the Candiota region, Rio Grande do Sul, Brazil, E.C. Teixeira, C.D. Streck, C.F. Braga, M.L. Yoneama and J.F. Dias . . . 215 (2004) 203
PIXE characterization of tissues surrounding metallic prostheses coated with biological glasses, Y. Barbotteau, J.L. Irigaray and Ph. Moretto . . . 215 (2004) 214
Proton induced X-ray emission analysis of aberrant cowrie shells, A.M. Luta, I.I. Kravchenko, F.E. Dunnam, H.A. Van Rinsvelt and C.P. Meyer . . . 215 (2004) 223
Uranium analysis of sediments by γ-ray spectrometry with corrections for self-absorption, A. Nachab, A. Nourreddine, M. Benjelloun, S. Kihel, D. Oster and A. Pape . . . 215 (2004) 228
Characterization of thick graded $Si_{1-x}Ge_x/Si$ layers grown by low energy plasma enhanced chemical vapour deposition, H.L. Seng, M.B.H. Breese, F. Watt, M. Kummer and H. von Känel . . . 215 (2004) 235
Elemental composition of rutile from south-western Nigeria using X-ray techniques, W.O. Siyanbola, A.Y. Fasasi, I.I. Funtua, O.M. Afolabi, T.A. Adesiyan and A.R. Adetunji . . . 215 (2004) 240
Rapid determination of uranium and plutonium content in mixtures through measurement of the intensity–time curve of delayed neutrons, X. Li, R. Henkelmann and F. Baumgärtner . . . 215 (2004) 246
PIXE and EDXRF studies on banded iron formations from eastern India, P.K. Nayak, D. Das, V. Vijayan, P. Singh and V. Chakravortty . . . 215 (2004) 252
Sputter depth profiling of InN layers, R. Kosiba, G. Ecke, V. Cimalla, L. Spieß, S. Krischok, J.A. Schaefer, O. Ambacher and W.J. Schaff . . . 215 (2004) 486
Analysis of laterally non-uniform layers and sub-micron devices by Rutherford backscattering spectrometry, D. Mangelinck, P.S. Lee, T. Osipowicz and K.L. Pey . . . 215 (2004) 495

Micro-PIXE analysis of reference standards for the quantitative analysis of trace elements in individual raindrops, C.-J. Ma, Y. Inoguchi, M. Kasahara, S. Tohno and T. Sakai 215 (2004) 501
Applications of invariant embedding: positron backscattering from surfaces, L.G. Glazov and I. Pázsit 215 (2004) 509
Thickness effect correction in XAFS-spectroscopy: Temperature measurement approach, E. Voronina, D. Guy and T. Miyanaga 215 (2004) 525
The production of nitrogen-13 by neutron capture in boron compounds, M.H. Schleier-Smith, L.D. van Buuren, J.M. Doyle, S.N. Dzhosyuk, D.M. Gilliam, C.E.H. Mattoni, D.N. McKinsey, L. Yang and P.R. Huffman 215 (2004) 531
On the authenticity of eight Reales 1730 Mexican silver coins by X-ray diffraction and by energy dispersion spectroscopy techniques, I. Rojas-Rodriguez, A. Herrera, C. Vázquez-López, R. Apolo, J. González-Hernández, M.A. Hernández-Landaverde and M.E. Rodriguez 215 (2004) 537
Measurement of xenon in uranium dioxide (UO_2) with SIMS, L. Desgranges and B. Pasquet 215 (2004) 545
Helium diffusion in metals investigated by nuclear reaction analysis, J.L. Flament, F. Ziélinski, S. Saudé and R.I. Grynszpan 216 (2004) 161
Optical study of Si nanocrystals in Si/SiO_2 layers by spectroscopic ellipsometry, A. En Naciri, M. Mansour, L. Johann, J.J. Grob and C. Eckert 216 (2004) 167
A positron beam study of hydrogen confined in nano-cavities in crystalline silicon, H. Schut, H. van Gog, A. van Veen, M.A. van Huis and S.W.H. Eijt 216 (2004) 251
Ellipsometric spectroscopy study of Ar ion-beam mixed $SiO_2/Si/SiO_2$ layers, H.B. Kim, J.H. Son, C.N. Whang and K.H. Chae 216 (2004) 367
Analysis of nitrogen implanted tin oxide films used in dye-sensitised solar cells, T. Tesfamichael, G. Will, I. Kelly and J. Bell 217 (2004) 97
Bremsstrahlung excited standardless EDXRF analysis, A.C. Mandal, S. Santra, D. Mitra, M. Sarkar and D. Bhattacharya 217 (2004) 104
Nitrogen in biogenic and abiogenic minerals from Paleozoic black shales: an NRA study, J.-P. Gallien, B. Orberger, L. Daudin, D.L. Pinti and J. Pasava 217 (2004) 113
Determination of gold in Romanian auriferous alluvial sands and rocks by 14 MeV neutron activation analysis, R. Lupu, A. Nat and A. Ene 217 (2004) 123
Final energy distributions in deep inelastic neutron scattering experiments, J.J. Blostein, J. Dawidowski and J.R. Granada 217 (2004) 333
Effects of measurement distance and source activity on the precision of X-ray fluorescence measurements of lead in a bone phantom, D.E.B. Fleming, D.R. Chettle, F.E. McNeill and A.G.P. Weedon 217 (2004) 471
Roughness in GaN/InGaN films and multilayers determined with Rutherford backscattering, N.P. Barradas, E. Alves, S. Pereira, V.V. Shvartsman, A.L. Kholkin, E. Pereira K.P. O'Donnell, C. Liu, C.J. Deatcher, I.M. Watson and M. Mayer 217 (2004) 479
The influence of injection parameters on mass fractionation phenomena in radiocarbon analysis, G. Quarta, M. D'Elia and L. Calcagnile 217 (2004) 644
Exposure to mineral sands dust particles, K. Dias da Cunha, C.V. Barros Leite and Z. Zays 217 (2004) 649
Determination of the chemical properties of residues retained in individual cloud droplets by XRF microprobe at SPring-8, C.-J. Ma, S. Tohno, M. Kasahara and S. Hayakawa 217 (2004) 657
Ion beam analysis in art and archaeology: attacking the power precisions paradigm, M. Abraham 219–220 (2004) 1
Ion beam analysis of art works: 14 years of use in the Louvre, J.-C. Dran, J. Salomon, T. Calligaro and P. Walter 219–220 (2004) 7
The non-destructive identification of early Chinese porcelain by PIXE, H.S. Cheng, Z.Q. Zhang, B. Zhang and F.J. Yang 219–220 (2004) 16
Characterisation of early medieval frescoes by μ-PIXE, SEM and Raman spectroscopy, A. Zucchiatti, P. Prati, A. Bouquillon, L. Giuntini, M. Massi, A. Migliori, A. Cagnana and S. Roascio 219–220 (2004) 20
PIXE study on ancient pottery from Chinese Sanxia area, B. Zhang, B.H. Pan, Z.Q. Zhang, H.S. Cheng, M.H. Gao, F.J. Yang and X.B. Peng 219–220 (2004) 26
Non-destructive analysis and identification of jade by PIXE, H.S. Cheng, Z.Q. Zhang, B. Zhang and F.J. Yang 219–220 (2004) 30
Confocal μ-XRF depth analysis of paint layers, Ž. Šmit, K. Janssens, K. Proost and I. Langus 219–220 (2004) 35
In-air PIXE set-up for automatic analysis of historical document inks, M. Budnar, J. Simčič, Z. Rupnik, M. Uršič, P. Pelicon, J. Kolar and M. Strlič 219–220 (2004) 41
Identification of lapis-lazuli pigments in paint layers by PIGE measurements, N. Grassi, A. Migliori, P.A. Mandò and H. Calvo del Castillo 219–220 (2004) 48
Damage induced by proton irradiation in carbonate based natural painting pigments, O. Enguita, T. Calderón, M.T. Fernández-Jiménez, P. Beneitez, A. Millan and G. García 219–220 (2004) 53

Elemental microanalysis in ecophysiology using ion microbeam, W.J. Przybyłowicz, J. Mesjasz-Przybyłowicz, P. Migula, K. Turnau, M. Nakonieczny, M. Augustyniak and E. Głowacka 219–220 (2004) 57
Nuclear microprobe analysis of the selective boron uptake obtained with BPA in brain tumour tissue, M. Wegdén, P. Kristiansson, C. Ceberg, P. Munck af Rosenschöld, V. Auzelyte, M. Elfman, K.G. Malmqvist, C. Nilsson, J. Pallon and A. Shariff 219–220 (2004) 67
Quantitative measurement of essential and not essential metals in muscular, hepatic and renal tissue of horses by means of PIXE technique, S. Balzan, M.C. Buoso, D. Ceccato, M. De Poli, V. Giaccone, G. Moschini, E. Novelli, S.O. Olabanji, P. Passi and V. Tepedino. 219–220 (2004) 72
Single ion bombardment of living cells at LIPSION, T. Reinert, A. Fiedler, J. Škopek, J. Tanner, J. Vogt and T. Butz 219–220 (2004) 77
Investigations of percutaneous uptake of ultrafine TiO_2 particles at the high energy ion nanoprobe LIPSION, F. Menzel, T. Reinert, J. Vogt and T. Butz. 219–220 (2004) 82
IBA methods for characterisation of fine particulate atmospheric pollution: a local, regional and global research problem, D.D. Cohen, E. Stelcer, O. Hawas and D. Garton. 219–220 (2004) 145
Anthropogenic sources of $PM_{2.5}$'s arsenic, lead, mercury and nickel in northern metropolitan Lisbon, Portugal, M. do Carmo Freitas, A.M.G. Pacheco and M.G. Ventura 219–220 (2004) 153
PIXE analysis of atmospheric aerosols from three sites in Mexico City, J. Miranda, V.A. Barrera, A.A. Espinosa, O.S. Galindo, A. Núñez-Orosco, R.C. Montesinos, A. Leal-Castro and J. Meinguer 219–220 (2004) 157
PIXE analysis of hair samples from artisanal mining communities in the Acupan region, Benguet, Philippines, E. Clemente, K. Sera, S. Futatsugawa and S. Murao. 219–220 (2004) 161
Atmospheric aerosol characterisation by Ion Beam Analysis techniques: recent improvements at the Van de Graaff laboratory in Florence, M. Chiari, P. Del Carmine, F. Lucarelli, G. Marcazzan, S. Nava, L. Paperetti, P. Prati, G. Valli, R. Vecchi and A. Zucchiatti 219–220 (2004) 166
Micro-PIXE study of tropospheric aerosols in an Antarctic coastal environment, F. Chiminello, D. Ceccato and P. Mittner 219–220 (2004) 171
In-situ Ir concentration measurements in KT-boundary sediments by accelerator secondary ion mass spectrometry, C. Maden, M. Döbeli, B. Hofmann and M. Suter. 219–220 (2004) 176
Ni, Cu, Zn and Pb background values determination in representative Lebanese soil using the thick target PIXE technique, B. Nsouli, T. Darwish, J.-P. Thomas, K. Zahraman and M. Roumié. 219–220 (2004) 181
Heavy metal accumulation in plants and soil irrigated with wastewater from Mexico city, A. Mireles, C. Solís, E. Andrade, M. Lagunas-Solar, C. Piña and R.G. Flocchini. 219–220 (2004) 187
PIXE pollution studies across Europe, O. Innegraeve, X. Blanchet, C.I. Muntele, I.C. Muntele, R.L. Zimmerman, L. Popa-Simil, D. Voiculescu, P.M. Racolta and D. Ila 219–220 (2004) 191
Lattice location of helium in uranium dioxide single crystals, F. Garrido, L. Nowicki, G. Sattonnay, T. Sauvage and L. Thomé 219–220 (2004) 196
High resolution elastic recoil detection, G. Dollinger, A. Bergmaier, L. Goergens, P. Neumaier, W. Vandervorst and S. Jakschik 219–220 (2004) 333
RBS with high depth resolution using small magnetic spectrometers, R. Grötzschel, C. Klein and M. Mäder . 219–220 (2004) 344
High-resolution RBS: a powerful tool for atomic level characterization, K. Kimura, S. Joumori, Y. Oota, K. Nakajima and M. Suzuki 219–220 (2004) 351
Heavy ion backscattering spectrometry at the University of Central Florida, G. Braunstein, M. Duffy, S. Maina, B. Tonner and J.C. Banks. 219–220 (2004) 358
Counting individual atom layers in graphite – high-resolution RBS experiments on highly oriented pyrolytic graphite, S.K. Srivastava, D. Plachke, Á. Szökefalvi-Nagy, J. Major and H.D. Carstanjen 219–220 (2004) 364
Use of grazing angle sputtering for improving depth resolution in high resolution RBS, W. Sakai, K. Nakajima, M. Suzuki and K. Kimura 219–220 (2004) 369
Ion-beam characterization of He implanted into nuclear matrices, D. Pantelica, L. Thomé, S.E. Enescu, F. Negoita, P. Ionescu, I. Stefan and A. Gentils 219–220 (2004) 373
Extending RBS analysis to very fragile, nanometer-thick foils, R.G. Musket and T.E. Felter 219–220 (2004) 379
Ion beam analysis of carbon using $^{12}C(p,p\gamma)$ reaction, K. Yasuda, S. Hatori, T. Inomata, R. Ishigami, Y. Ito and M. Sasase 219–220 (2004) 425
Measurement of very low bulk concentrations (below 1 ppm) of hydrogen using ERDA, A. Tripathi, O. Kruse and H.D. Carstanjen. 219–220 (2004) 435
Elastic recoil detection analysis of ^3He, J.A. Knapp, K. Arstila, W.R. Wampler, J.C. Banks and B.L. Doyle . 219–220 (2004) 440
Round robin analyses of hydrogen isotope thin films standards, J.C. Banks, J.F. Browning, W.R. Wampler, B.L. Doyle, C.A. LaDuca, J.R. Tesmer, C.J. Wetteland and Y.Q. Wang. 219–220 (2004) 444
Measurement of deuterium in the presence of protium by elastic recoil spectroscopy, D.C. Ingram 219–220 (2004) 450

Depth profiles of H, C, O, Al and Si implants in a GaN substrate using trace element accelerator mass spectrometry, L.J. Mitchell, G.V. Ravi Prasad, P. Pelicon, E.B. Smith and F.D. McDaniel ... 219–220 (2004) 455
AMS depth profiling of humidity in silica, W. Pilz, M. Friedrich, K.-H. Heinig, B. Schmidt and J. von Borany ... 219–220 (2004) 459
Quantitative analysis of light elements in thick samples by PIGE, R. Mateus, A.P. Jesus and J.P. Ribeiro ... 219–220 (2004) 519
Differential PIXE measurements of thin metal layers, Ž. Smit and M. Holc ... 219–220 (2004) 524
Ion beam microanalysis in geoscience research, C.G. Ryan ... 219–220 (2004) 534
Hydrogen analysis by p–p scattering in geological material, M. Wegdén, P. Kristiansson, Z. Pastuovic, H. Skogby, V. Auzelyte, M. Elfman, K.G. Malmqvist, C. Nilsson, J. Pallon and A. Shariff ... 219–220 (2004) 550
Characterization of impact materials around Barringer Meteor Crater by micro-PIXE and micro-SRXRF techniques, I. Uzonyi, Gy. Szöör, P. Rózsa, B. Vekemans, L. Vincze, F. Adams, M. Drakopoulos, A. Somogyi and Á.Z. Kiss ... 219–220 (2004) 555
Triangulation of a Cu(0 0 1) surface and an ultra-thin Mn film via grazing ion surface scattering, T. Bernhard, R. Pfandzelter and H. Winter ... 219–220 (2004) 567
Development of three-dimensional medium-energy ion scattering spectroscopy, S. Shimoda and T. Kobayashi 219–220 (2004) 573
Depth characterization of nm-layers by low energy ion scattering, M. Draxler, S.N. Markin, R. Beikler, E. Taglauer, F. Kastner, M. Bergsmann and P. Bauer ... 219–220 (2004) 578
Characterization of dopant profiles produced by ultra-shallow As implantation and spike annealing using medium energy ion scattering, S. Ichihara, T. Nakagawa, M. Nitta, S. Abo, T. Lohner, C. Angelov, K. Ohta and M. Takai ... 219–220 (2004) 584
TOF-RBS with medium energy heavy ion probe for semiconductor process analysis, K. Hayashi, H. Takayama, M. Ishikawa, S. Abo, T. Lohner and M. Takai ... 219–220 (2004) 589
A combined LEIS/STM study of two types of surface reconstruction of magnetic Fe_4N layers, S.Y. Grachev, J.M. Gallego, D. Écija, D.O. Boerma, R. Gonzalez-Arrabal and R. Miranda ... 219–220 (2004) 593
Inelastic energy loss and spectrum shape for medium energy He ions undergoing a large-angle single collision with Si(1 1 1)-3 × 3-Sb, Y. Kido, S. Semba and Y. Hoshino ... 219–220 (2004) 599
Using ion beam analysis in determining the mechanisms of cleavage in hydrogen ion implanted Si, M. Nastasi, T. Höchbauer, R.D. Verda, A. Misra, J.-K. Lee, J.W. Mayer and S.S. Lau ... 219–220 (2004) 604
Assessment of subsurface damage in polished II–VI semiconductors by ion channeling, D.A. Lucca, C.J. Wetteland, A. Misra, M.J. Klopfstein, M. Nastasi, C.J. Maggiore and J.R. Tesmer ... 219–220 (2004) 611
Virtues and pitfalls in structural analysis of compound semiconductors by the complementary use of RBS/channeling and high resolution X-ray diffraction, A. Turos, J. Gaca, M. Wojcik, L. Nowicki, R. Ratajczak, R. Groetzschel, F. Eichhorn and N. Schell ... 219–220 (2004) 618
Channeling study of the damage induced in zirconia irradiated with high-energy heavy ions, J. Jagielski, A. Gentils, L. Thomé, L. Nowicki, F. Garrido and S. Klaumünzer ... 219–220 (2004) 626
NRA and ERDA investigation of helium retention in SiC as a function of irradiation and annealing, R.J. Smith, Y. Zhang, V. Shutthanandan, L.J. Bissell, S. Thevuthasan, W. Jiang and W.J. Weber ... 219–220 (2004) 631
Lattice location of Mn and fundamental Curie temperature limit in ferromagnetic $Ga_{1-x}Mn_xAs$, K.M. Yu, W. Walukiewicz, T. Wojtowicz, W.L. Lim, X. Liu, M. Dobrowolska and J.K. Furdyna ... 219–220 (2004) 636
Microbeam channeling studies of epitaxial titanate films, K.R. Padmanabhan ... 219–220 (2004) 656
Structural characterization of half-metallic Heusler compound NiMnSb, L. Nowicki, A.M. Abdul-Kader, P. Bach, G. Schmidt, L.W. Molenkamp, A. Turos and G. Karczewski ... 219–220 (2004) 666
Ion beam characterization of $GaAs_{1-x-y}N_xBi_y$ epitaxial layers, P. Wei, S. Tixier, M. Chicoine, S. Francoeur, A. Mascarenhas, T. Tiedje and F. Schiettekatte ... 219–220 (2004) 671
Heavy ion elastic recoil detection analysis of silicon-rich silica films, T.D.M. Weijers, R.G. Elliman and H. Timmers ... 219–220 (2004) 680
Reliable ERD analysis of group-III nitrides despite severe nitrogen depletion, S.K. Shrestha, K.S.A. Butcher, M. Wintrebert-Fouquet and H. Timmers ... 219–220 (2004) 686
Ion beam analysis of functional layers for $CuInSe_2$ solar cells deposited on polymer foils, D. Spemann, R. Deltschew, M. Lorenz and T. Butz ... 219–220 (2004) 693
RBS ion channeling study of low concentrations of ion implanted samarium in GaN, D.C. Ingram, H. Lozykowski and W.M. Jadwisienczak ... 219–220 (2004) 699
Microstructure evolution effects of helium redistribution in as-implanted silicon and $Si_{1-x}Ge_x$/Si heterostructues, M.J. Mörschbächer, D.L. da Silva, P.F.P. Fichtner, E. Oliviero, M. Behar, F.C. Zawislak, B. Holländer, M. Luysberg, S. Mantl, R. Loo and M. Caymax ... 219–220 (2004) 703
Ion beam analysis of thin doped ZnO layers, L.S. Wielunski, D.H. Hill, J. Quinn, R.A. Bartynski, P. Wu and Y. Lu ... 219–220 (2004) 708

Use of micro-PIXE analysis for the identification of contaminants in the metal deposition on a CMS pitch adapter, M. Massi, L. Giuntini, M.E. Fedi, C. Arilli, N. Grassi, P.A. Mandò, A. Migliori and E. Focardi 219–220 (2004) 722
Electrical activation and lattice location of B and Ga impurities implanted in Si, L. Romano, A.M. Piro, E. Napolitani, G. Bisognin, A. Spada, M.G. Grimaldi and E. Rimini . . . 219–220 (2004) 727
Structural characterization and oxygen concentration profiling of a Co/Si multilayer structure, A.M. Piro, L. Romano, A. Spada, F. La Via, M.G. Grimaldi and E. Rimini . . . 219–220 (2004) 732
Optical properties of dense Cu nanoparticle composites fabricated by negative ion implantation, Y. Takeda, J. Lu, O.A. Plaksin, H. Amekura, K. Kono and N. Kishimoto . . . 219–220 (2004) 737
He-RBS, He-ERDA and heavy ion-ERDA analysis of Si/Ta 70 Å/CoFe 35 Å/HfAlO$_x$/CoFe 35 Å/Ta 30 Å systems, N.P. Barradas, V. Matias, A.D. Sequeira, J.C. Soares, U. Kreissig, J.U. Wang and P.P. Freitas. 219–220 (2004) 742
Ion beam studies of hydrogen implanted Si wafers, A. Nurmela, K. Henttinen, T. Suni, A. Tolkki and I. Suni 219–220 (2004) 747
Real-time ERD analysis of hydrogen retention in silicon during ramped thermal anneal, K.A. Meyer, C.M. Comrie and C. Theron . . . 219–220 (2004) 751
Application of nondestructive ion beam analysis to measure variations in the elemental composition of armor materials, A. Pallone, J. Demaree and J. Adams . . . 219–220 (2004) 755
Nitrogen beam RBS for concentration uniformity measurements of SiO$_2$:Au thin layer co-depositions, C.I. Muntele, I.C. Muntele, R.L. Zimmerman and D. Ila . . . 219–220 (2004) 759
Ion beam analysis of TiN/Ti multilayers deposited by magnetron sputtering, E. Andrade, M. Flores, S. Muhl, N.P. Barradas, G. Murillo, E.P. Zavala and M.F. Rocha . . . 219–220 (2004) 763
Elemental depth profiles of MgB$_2$/Si precursor and superconducting films, E. Andrade, S. Chromik, Mi. Jergel, Ma. Jergel, C. Falcony, V. Štrbík and M.F. Rocha . . . 219–220 (2004) 768
Thin film nanolaminate analysis by simultaneous heavy ion recoil and X-ray spectrometry, A. Harjunmaa, T. Sajavaara, K. Arstila, K. Kukli and J. Keinonen . . . 219–220 (2004) 773
The unique role of ion beam analysis in modeling the thermal evolution of hydrogen in Si implanted at doses required for ion cutting, O.W. Holland . . . 219–220 (2004) 788
Carbon doping by ion implantation and C_2H_x gas in GaN: Rutherford backscattering/channeling, Raman scattering and photoluminescence studies, R. Hirota, K. Kushida, J. Takahashi and K. Kuriyama . . . 219–220 (2004) 792
Ion beam analysis for fusion energy research, W.R. Wampler . . . 219–220 (2004) 836
Characterization of Si(1 0 0)/Hf SiON interface, M. Suzuki, A. Takashima, M. Koyama, R. Iijima, T. Ino and M. Takeneka . . . 219–220 (2004) 851
Study of the nickel-fullerene nano-structured thin films, J. Vacik, H. Naramoto, K. Narumi, S. Yamamoto and H. Abe . . . 219–220 (2004) 862
Epitaxial re-crystallization of the Ni/MgO(0 0 1) interfaces, J. Vacik, H. Naramoto, S. Yamamoto and K. Narumi . . . 219–220 (2004) 867
Characterization of electroless Au, Pt and Pd contacts on CdTe and ZnTe by RBS and SIMS techniques, M. Roumié, M. Hageali, K. Zahraman, B. Nsouli and G. Younes . . . 219–220 (2004) 871
Rutherford backscattering spectroscopy of amorphous films of Ag–As–S system prepared by spin-coating technique, T. Wágner, T. Kohoutek, V. Perina, A. Mackova, V. Hnatowitz, Th. Wagner, S.O. Kasap, M. Krbal, M. Frumar and Mil. Vlček . . . 219–220 (2004) 875
Secondary-ion mass spectrometry (SIMS) analysis of catalyst coatings used in microreactors, H. Gnaser, W. Bock, E. Rowlett, Y. Men, C. Ziegler, R. Zapf and V. Hessel . . . 219–220 (2004) 880
Ion beam analysis of epitaxial (Mg, Cd)$_x$Zn$_{1-x}$O and ZnO:(Li, Al, Ga, Sb) thin films grown on c-plane sapphire, D. Spemann, E.M. Kaidashev, M. Lorenz, J. Vogt and T. Butz . . . 219–220 (2004) 891
Ion beam analysis of silver thin films on cobalt silicides, T.L. Alford, M.M. Mitan, R. Govindasamy and J.W. Mayer . . . 219–220 (2004) 897
Channeling and resonant backscattering investigations of Co doped diluted magnetic oxide films prepared by pulsed laser deposition, V.N. Kulkarni, S.R. Shinde, Y.G. Zhao, R.J. Choudhary, S.B. Ogale, R.L. Greene and T. Venkatesan . . . 219–220 (2004) 902
Heavy-ion ERDA and spectroscopic ellipsometry characterization of a SiOC:H layered structure as functional coating on polymeric lenses, U. Kreissig, R. Gago, M. Vinnichenko, P. Fernández-Hidalgo, R.J. Martín-Palma and J.M. Martínez-Duart . . . 219–220 (2004) 908
Thermal oxidation of 6H-SiC studied by oxygen isotopic tracing and narrow nuclear resonance profiling, I. Trimaille, J.-J. Ganem, I.C. Vickridge, S. Rigo, G. Battistig, E. Szilagyi, I.J. Baumvol, C. Radtke and F.C. Stedile . . . 219–220 (2004) 914
Characterization of FePt nanoparticles in FePt/C multilayers, N.P. Barradas, E. Alves and D. Babonneau . . . 219–220 (2004) 919
Study of silica–titania films doped with Er and Ag by RBS and ERDA, A.C. Marques, A.R. Ramos, E. Alves and R.M. Almeida . . . 219–220 (2004) 923

RBS analysis of AlGaSb thin films, N.P. Barradas, E. Alves, C.M. Ruiz, E. Diéguez, F. Dimroth, M.-A. Chenot and A. Bett ... 219–220 (2004) 928
Ion beam studies of single crystalline manganite thin films, E. Alves, C. Marques, V.S. Amaral, J.P. Araújo, G. Cristiani, H.-U. Habermeier and J.M. Vieira ... 219–220 (2004) 933
Ion beam analysis of electrochromic and thermochromic oxide films, K.R. Padmanabhan ... 219–220 (2004) 942
Ion beam analysis applied to new and innovative technologies, D.C. Thompson, H.C. Kim, T.L. Alford and J.W. Mayer ... 219–220 (2004) 968
3D hydrogen microscopy with sub-ppm detection limit, P. Reichart, G. Dollinger, A. Bergmaier, G. Datzmann, A. Hauptner, H.-J. Körner and R. Krücken ... 219–220 (2004) 980
An off-axis STIM procedure for precise mass determination and imaging, J. Pallon, V. Auzelyte, M. Elfman, M. Garmer, P. Kristiansson, K. Malmqvist, C. Nilsson, A. Shariff and M. Wegdén ... 219–220 (2004) 988
Proton enhanced scattering and nuclear reaction analysis microcharacterization of ternary graphite–lithium–calcium intercalation compounds, P. Berger, S. Pruvost, C. Hérold and P. Lagrange ... 219–220 (2004) 1005

Ion Sources, Beam Optics and Accelerator Systems

Recycling effect of germanium on ECR ion source, P. Lehérissier, C. Barué, C. Canet, M. Dubois, M. Dupuis, J.L. Flambard, G. Gaubert, P. Jardin, N. Lecesne, F. Lemagnen, R. Leroy and J.Y. Pacquet ... 211 (2003) 274
Estimation of keV submicron ion beam width using a knife-edge method, Y. Ishii, A. Isoya, T. Kojima and K. Arakawa ... 211 (2003) 415
An efficient negative surface ionization source for RIB generation, G.D. Alton, Y. Liu, H. Zaim and S.N. Murray ... 211 (2003) 425
Electrohydrodynamic instabilities on a liquid anode displaying an anomalous surface tension coefficient, G.L.R. Mair, Ch. Akhmadaliev, L. Bischoff, Th. Ganetsos and C.J. Aidinis ... 211 (2003) 556
Liquid metal anode X-ray sources and their potential applications, G. Harding, B. David and J.P. Schlomka 213 (2004) 189
Energy spectra measurements of X-ray emission from electron interaction in a dense plasma focus device, A. Tartari, A. Da Re, C. Bonifazzi and M. Marziani ... 213 (2004) 206
Feasibility of an epithermal neutron source for BNCT based on RFQ accelerator, R. Terlizzi, N. Colonna, E. Bisceglie, P. Colangelo, S. Marrone, A. Rainò, G. Tagliente and V. Variale ... 213 (2004) 210
The CERN antiproton decelerator (AD) in 2002: status, progress and machine development results, P. Belochitskii, T. Eriksson and S. Maury ... 214 (2004) 176
Positron storage ring for positronium and antihydrogen generation in flight: The LEPTA project, I.N. Meshkov, I. Seleznev, A. Sidorin, A. Smirnov, G. Trubnikov and S. Yakovenko ... 214 (2004) 186
The future GSI facility, W.F. Henning ... 214 (2004) 211
J-PARC project, S. Nagamiya ... 214 (2004) 216
Production of Si^+ and Cl^+ ion beams from a Freeman type ion source using low toxicity and non-corrosive vapours as source gas, L.S. Wielunski, G.D. Paterson, J.M. Bell and R.E. Clegg ... 215 (2004) 262
First laser ions at an off-line mass separator of the ISAC facility at TRIUMF, C. Rauth, C. Geppert, R. Horn, J. Lassen, P. Bricault and K. Wendt ... 215 (2004) 268
Boron cluster ions from source of negative ions by cesium sputtering, X. Wang, J. Liu, X. Lu, L. Shao, H. Chen and W.-K. Chu ... 215 (2004) 278
Effect of the gas mixing technique on the production efficiency of ion beams extracted from an electron cyclotron resonance ion source, O. Tarvainen, P. Suominen and H. Koivisto ... 217 (2004) 136
Simplified modelling of an ion linac used for ion implantation, J. Gordon ... 217 (2004) 143
A broad beam ion source used for planar sputter-etching of shallow layers from flat samples and determination of their mass density, A. von Bohlen, H. Krzyżanowska and R. Klockenkämper ... 217 (2004) 158
A simple microwave component for the vacuum window protection in an ECR ion source for ion beam processing, Ph. Coste, L. Wartski, J. Aubert and C. Schwebel ... 217 (2004) 342
The effect of electrode geometry on the stability of a liquid metal ion emitter, G.L.R. Mair, Ch. Akhmadaliev, L. Bischoff, Th. Ganetsos, C.J. Aidinis and E.A. Anagnostakis ... 217 (2004) 347
Diagnosis and dynamics in a simple low energy medium current electron beam channel, S. Marghitu, O. Marghitu, C. Oproiu, G. Marin and Fl. Scarlat ... 217 (2004) 498
The PTB single ion microbeam for irradiation of living cells, K.-D. Greif, H.J. Brede, D. Frankenberg and U. Giesen ... 217 (2004) 505
Laser photodetachment mass spectrometry, J. Sandström, P. Andersson, K. Fritioff, D. Hanstorp, R. Thomas, D.J. Pegg and K. Wendt ... 217 (2004) 513

A new secondary ion mass spectrometry (SIMS) system with high-intensity cluster ion source, J. Matsuo, C. Okubo, T. Seki, T. Aoki, N. Toyoda and I. Yamada 219–220 (2004) 463
Magnetic sextuplet as a zoom lens for the nuclear nanoprobe at the Louisiana Accelerator Center, A.D. Dymnikov and G.A. Glass 219–220 (2004) 994

Experimental Methods and Equipment

Data acquisition and processing in radiotracer experiments, L. Furman, L. Petryka, Z. Stęgowski and A. Wierzbicki 211 (2003) 436
A high-power electron linear accelerator for food irradiation applications, R.B. Miller, G. Loda, R.C. Miller, R. Smith, D. Shimer, C. Seidt, M. MacArt, H. Mohr, G. Robison, P. Creely, J. Bautista, T. Oliva, L.M. Young and D. DuBois. 211 (2003) 562
Development on a pulsed slow-positron beam: Moderator and bunching signal waveform, C. He, E. Hamada, N. Djourelov, T. Suzuki, H. Kobayashi, K. Kondo and Y. Ito. 211 (2003) 571
Effects of the thermal annealing on the traps and recombination centres in LiF:Mg,Cu,P thermoluminescence dosimeter, B. Yang, Y. Fan, Q. Lu and P.D. Townsend 211 (2003) 577
Development of a large area two-dimensional position sensitive ΔE – E detector telescope for material analysis, S.V.S. Nageswara Rao, A. Kothari, G.B.V.S. Lakshmi, S.A. Khan, A. Tripathi, A.M. Siddiqui, A.P. Pathak and D.K. Avasthi. 212 (2003) 545
Optimization of the steady neutron source technique for absorption cross section measurement by using an ^{124}Sb–Be neutron source, J. Sun and R.P. Gardner 213 (2004) 22
Influence of granulation of the sample on the thermal neutron Σ_a measurement, K. Drozdowicz, B. Gabańska, A. Igielski, E. Krynicka and U. Woźnicka 213 (2004) 42
Algorithmic techniques for quantitative Compton tomography, B. Golosio, A. Brunetti and R. Cesareo 213 (2004) 108
Recent advances and future perspectives of position sensitive PMT, R. Pani, R. Pellegrini, M.N. Cinti, M. Mattioli, C. Trotta, L. Montani, G. Iurlaro, G. Trotta, L. D'Addio, S. Ridolfi, G. De Vincentis and I.N. Weinberg. 213 (2004) 197
Determination of the photon-contribution of a ^{238}Pu–Be source, S. Mayer, T. Otto and N. Golnik 213 (2004) 214
Present and future trends for neutron source calibrations at the National Institute of Standards and Technology, J.M. Adams 213 (2004) 218
X-rays spectroscopy with a portable Compton selection chamber: detector design and results, G. Baldazzi, T. Bernardi, J.E. Fernandez, P. Ferrari, P.L. Rossi, G. Testoni and R. Zannoli 213 (2004) 223
A new linear array detector for high resolution and low dose digital radiography, M. Bettuzzi, S. Cornacchia, M. Rossi, E. Paltrinieri, M.P. Morigi, R. Brancaccio, D. Romani and F. Casali 213 (2004) 227
Description of the response in scintillation crystal arrays: analytical versus statistical approaches, C. Bonifazzi, A. Tartari, M.N. Cinti, L. Nanetti, R. Pellegrini and R. Pani. 213 (2004) 231
Resolution and sensitivity as a function of energy and incident geometry for germanium detectors, R.M. Keyser 213 (2004) 236
Detection quantum efficiency and spatial resolution of neutron CCD-detectors, Ju.N. Barmakov, E.P. Bogolubov, A.P. Koshelev, V.I. Mikerov and V.I. Ryzhkov. 213 (2004) 241
A new method for signal acquisition and analysis in high radiation environment, S. Marrone. 213 (2004) 246
A new large area scintillator screen for X-ray imaging, V.V. Nagarkar, S.R. Miller, S.V. Tipnis, A. Lempicki, C. Brecher and H. Lingertat 213 (2004) 250
Developments of directional detectors with NaI(Tl)/BGO scintillators, Y. Shirakawa 213 (2004) 255
Building a pixellated detector for gamma-ray imaging: the PICsIT example, C. Labanti, G. Di Cocco, G. Ferro, E. Bottacini, F. Gianotti, A. Mauri, E. Rossi, J.B. Stephen, A. Traci, M. Trifoglio and M. Valli. 213 (2004) 260
X-ray spectrometry with Peltier-cooled large area avalanche photodiodes, L.M.P. Fernandes, J.A.M. Lopes, J.M.F. dos Santos and C.A.N. Conde 213 (2004) 267
A comparison between the response of compound semiconductor detectors in single and back-to-back configuration, N. Auricchio, A. Donati, W. Dusi, E. Perillo and P. Siffert. 213 (2004) 272
HPXe ionization chambers for γ spectrometry at room temperature, S. Ottini-Hustache, C. Monsanglant-Louvet, S. Haan, V. Dmitrenko, V. Grachev and S. Ulin. 213 (2004) 279
Resistive plate chamber for thermal neutron detection, R. Arnaldi, E. Chiavassa, A. Colla, P. Cortese, G. Dellacasa, N. De Marco, A. Ferretti, M. Gallio, A. Musso, C. Oppedisano, A. Piccotti, F. Poggio, E. Scalas, E. Scomparin, F. Sigaudo and E. Vercellin 213 (2004) 284
Phenomenological simulation of detector response for safeguards experiments, M. Marseguerra, E. Padovani, S.A. Pozzi and M. Da Ros 213 (2004) 289

Conversion of a X-ray position sensitive detector for use in a thermal neutron tomographic system, M.I. Silvani, R.T. Lopes, E.F.O. de Jesus, G.L. de Almeida, D. Braz and A.F. Barbosa . . . 213 (2004) 294
High resolution determination of the spatial distribution of radioisotopes with a digital intensified detector, M. Bettuzzi, F. Ravaioli, R. Rosa, M. Rossi, E. Paltrinieri, M.P. Morigi, R. Brancaccio, D. Romani and F. Casali . . . 213 (2004) 300
Ideal response function of a ^{3}He proportional counter to thermal neutrons determined by different length counters, K. Kudo, N. Takeda, A. Uritani, S. Koshikawa, Y. Shibata, K. Kobayashi and T. Yoshimoto . . . 213 (2004) 305
Channeltron operating in coincidence mode, Z. Krečak, M. Krčmar, M. Bogovac and A. Ljubičić . . . 213 (2004) 310
Radiotracer applications for the analysis of complex flow structure in industrial apparatuses, J. Thýn and R. Žitný . . . 213 (2004) 339
Determination of ^{125}I impurities in [^{123}I]labelled radiopharmaceuticals, by liquid scintillation counting: sensitivity of the method, M.L. Bonardi, C. Birattari, F. Groppi, L. Gini, C.H.S. Mainardi and E. Menapace . . . 213 (2004) 348
Separation of the alpha-emitting radioisotopes actinium-225 and bismuth-213 from thorium-229 using alpha recoil methods, F.H. Ruddy, A.R. Dulloo, J.G. Seidel and B. Petrović . . . 213 (2004) 351
A semi-empirical model for a ^{90}Sr beta-particle transmission thickness gauge for aluminum alloys, R.P. Gardner, W.A. Metwally and A. Shehata . . . 213 (2004) 357
Obtaining molybdenum-99 in the IRT-T research reactor using resonance neutrons, A.I. Ryabchikov, V.S. Skuridin, E.V. Nesterov, E.V. Chibisov and V.M. Golovkov . . . 213 (2004) 364
Reactivity analysis of solution reactors for medical-radioisotope production, F.J. Souto and R.H. Kimpland . 213 (2004) 369
NMIS plus gamma spectroscopy for attributes of HEU, PU and HE detection, J.T. Mihalczo, J.K. Mattingly, J.S. Neal and J.A. Mullens . . . 213 (2004) 378
Cold neutron PGAA facility at Budapest, Zs. Révay, T. Belgya, Zs. Kasztovszky, J.L. Weil and G.L. Molnár 213 (2004) 385
Non-destructive interrogation of uranium using PGAA, G.L. Molnár, Zs. Révay and T. Belgya . . . 213 (2004) 389
Elemental PGNAA analysis using gamma–gamma coincidence counting with the library least-squares approach, W.A. Metwally, R.P. Gardner and C.W. Mayo . . . 213 (2004) 394
Neutron fluence rate measurements in a PGNAA 208-liter drum assay system using silicon carbide detectors, A.R. Dulloo, F.H. Ruddy, J.G. Seidel, S. Lee, B. Petrović and M.E. McIlwain . . . 213 (2004) 400
A practical test of a γ–γ coincidence measurement setup for PGAA, P.P. Ember, T. Belgya, J.L. Weil and G.L. Molnár . . . 213 (2004) 406
A unit for inspection of materials using differential gamma-ray scattering technique, N. Chankow and S. Pojchanachai . . . 213 (2004) 418
Probe for determination of ash in coal stockpiles, M. Borsaru, J. Charbucinski, A. Rojc, N.D. Thanh and N.T. Tuy . . . 213 (2004) 422
A simple technique to improve sensitivity of a β backscatter gauge, N. Chankow, A. Pattarasumunt and C. Po-Lee . . . 213 (2004) 426
Isotopic uranium and plutonium analysis by alpha-particle spectrometry, M.P. Rubio Montero, A. Martin Sánchez and A.M. Carrasco Lourtau . . . 213 (2004) 429
Method and system based on pulsed neutron generator for fissile material detection in luggage, Ye.P. Bogolubov, S.A. Korotkov, L.A. Korytko, V.G. Morukov, V.I. Nazarov, Yu.G. Polkanov and T.O. Khasaev . . . 213 (2004) 439
The soil moisture and its relevance to the landmine detection by neutron backscattering technique, J. Obhoaš, D. Sudac, K. Na, V. Valković, G. Nebbia and G. Viesti . . . 213 (2004) 445
Detection of explosives and illicit drugs using neutrons, B. Király, T. Sanami, R. Dóczi and J. Csikai . . . 213 (2004) 452
Neutron back-scattering sensor for the detection of land mines, E. Fioretto, M. Barbui, S. Giangrandi, M. Cinausero, G. Prete, G. Nebbia and G. Viesti . . . 213 (2004) 457
The role of neutron based inspection techniques in the post 9/11/01 era, T. Gozani . . . 213 (2004) 460
Experience with a prototype of the Test Ban Treaty monitoring system for air-borne radioactivity, D.F. Measday and E.C.Y. Ho . . . 213 (2004) 464
High-speed digital radiography using structured CsI screens, V.V. Nagarkar, S.V. Tipnis, V. Gaysinskiy, S.R. Miller and I. Shestakova . . . 213 (2004) 476
A radio-optic method for measuring relative motion, W.L. Dunn . . . 213 (2004) 481
Use of X-ray computed tomography for the estimation of parameters relevant to the modeling of acoustic scattering from the seafloor, L. Muzi, A.P. Lyons and E. Pouliquen . . . 213 (2004) 491
Measurements within cloud cavitation by means of X-ray attenuation device, G. Barouch, S. Legoupil, B. Stutz and R. Woo . . . 213 (2004) 503

Development of an oil-in-soil meter using neutron moderation and microwave attenuation, H. Tominaga, F. Imadate, J. Kawabata, N. Tachikawa, H. Sasaki and H. Yoshida . . . 213 (2004) 540
A large area scanning system using 14 MeV neutron tagged beams for non-destructive assays, M. Lunardon, G. Nebbia, S. Pesente, G.M. Romagnoli, G. Viesti, M. Barbui, M. Cinausero, E. Fioretto, G. Prete, G. D'Erasmo, M. Palomba and A. Pantaleo . . . 213 (2004) 544
Dual energy imaging in mammography: Cross-talk study in a Si array detector, G. Baldazzi, D. Bollini, M. Gambaccini, M. Gombia, L. Ramello and A. Tuffanelli . . . 213 (2004) 603
Feasibility of X-ray interstitial radiosurgery based on plasma focus device, A. Tartari, A. Da Re, F. Mezzetti, E. Angeli and P. De Chiara . . . 213 (2004) 607
Feasibility analysis of a Plasma Focus neutron source for BNCT treatment of transplanted human liver, V. Benzi, F. Mezzetti, F. Rocchi and M. Sumini . . . 213 (2004) 611
An electron beam imaging system for quality assurance in IORT, F. Casali, M. Rossi, M.P. Morigi, R. Brancaccio, E. Paltrinieri, M. Bettuzzi, D. Romani, M. Ciocca, G. Tosi, C. Ronsivalle and M. Vignati . . . 213 (2004) 616
Selective perturbation of in vivo linear energy transfer using high-Z vaginal applicators for Cf-252 brachytherapy, M.J. Rivard, K.E. Evans, L.C. Leal and B.L. Kirk . . . 213 (2004) 621
Remote afterloading for intracavitary and interstitial brachytherapy with californium-252, T. Tačev, G. Grigorov, T. Papírek and V. Kolařík . . . 213 (2004) 626
Californium-252 versus conventional gamma radiation in the brachytherapy of advanced cervical carcinoma: comparative treatment results of a 10-year, randomized study, T. Tačev, V. Strnad and B. Ptáčková . . . 213 (2004) 629
Procedural and practical applications of radiation measurements for BNCT at the HFR Petten, R.L. Moss, F. Stecher-Rasmussen, J. Rassow, J. Morrissey, W. Voorbraak, W. Verbakel, K. Appelman, G.G. Daquino, L. Muzi, A. Wittig, E. Bourhis-Martin and W. Sauerwein . . . 213 (2004) 633
Development of a treatment planning system for BNCT based on positron emission tomography data: preliminary results, N. Cerullo, G.G. Daquino, L. Muzi and J. Esposito . . . 213 (2004) 637
Spectrum shaping assessment of accelerator-based fusion neutron sources to be used in BNCT treatment, N. Cerullo, J. Esposito and G.G. Daquino . . . 213 (2004) 641
First production and detection of cold antihydrogen atoms, M.C. Fujiwara, M. Amoretti, C. Amsler, G. Bonomi, A. Bouchta, P. Bowe, C. Carraro, C.L. Cesar, M. Charlton, M. Doser, V. Filippini, A. Fontana, R. Funakoshi, P. Genova, J.S. Hangst, R.S. Hayano, L.V. Jørgensen, V. Lagomarsino, R. Landua, D. Lindelöf, E. Lodi Rizzini, M. Marchesotti, M. Macri, N. Madsen, P. Montagna, H. Pruys, C. Regenfus, P. Rielder, A. Rotondi, G. Testera, A. Variola, D.P. van der Werf and ATHENA Collaboration . . . 214 (2004) 11
Temperature dependence of anti-hydrogen production in the ATHENA experiment, G. Bonomi, M. Amoretti, C. Amsler, A. Bouchta, P. Bowe, C. Carraro, C.L. Cesar, M. Charlton, M. Doser, V. Filippini, A. Fontana, M.C. Fujiwara, R. Funakoshi, P. Genova, J.S. Hangst, R.S. Hayano, L.V. Jørgensen, V. Lagomarsino, R. Landua, D. Lindelöf, E. Lodi Rizzini, M. Macrí, N. Madsen, P. Montagna, H. Pruys, C. Regenfus, P. Riedler, A. Rotondi, G. Testera, A. Variola, D.P. van der Werf and ATHENA Collaboration . . . 214 (2004) 17
Observations of cold antihydrogen, J.N. Tan, N.S. Bowden, G. Gabrielse, P. Oxley, A. Speck, C.H. Storry, M. Wessels, D. Grzonka, W. Oelert, G. Schepers, T. Sefzick, J. Walz, H. Pittner, T.W. Hänsch, E.A. Hessels and ATRAP Collaboration . . . 214 (2004) 22
Laser-induced antiproton–positron recombination in traps, M.V. Ryabinina and L.A. Melnikov . . . 214 (2004) 35
Antihydrogen formation in antiproton–positronium collisions, N. Yamanaka and Y. Kino . . . 214 (2004) 40
Medium energy antiproton absorption, a tool to study neutron halo nuclei, P. Kienle . . . 214 (2004) 191
Technical developments toward antiprotonic atoms for nuclear structure studies of radioactive nuclei, M. Wada and Y. Yamazaki . . . 214 (2004) 196
Conceptual design and simulation of the PANDA detector, J. Ritman . . . 214 (2004) 201
Validity test of design calculations of a PGNAA setup, A.A. Naqvi and M.A. Garwan . . . 215 (2004) 283
Direct reconstruction of the effective atomic number of materials by the method of multi-energy radiography, S.V. Naydenov, V.D. Ryzhikov and C.F. Smith . . . 215 (2004) 552
Radiocarbon precision tests at the Lecce AMS facility using a sequential injection system, L. Calcagnile, G. Quarta, M. D'Elia, A. Gottdang, M. Klein and D.J.W. Mous . . . 215 (2004) 561
Polarisation analysis of VUV synchrotron radiation emitted from a bending magnet source in the energy range 20–50 eV: A comparison between measurements and theoretical predictions, P. Finetti, D.M.P. Holland, C.J. Latimer and C. Binns . . . 215 (2004) 565
A remote data acquisition and control system for Mössbauer spectroscopy, Q. Zhou, L. Wang, Y. Wang, H. Zhao and R. Zhou . . . 215 (2004) 577
A theoretical approach to the measurement of radon diffusion and adsorption coefficients in radonproof membranes, P.L. Fernández, L.S. Quindós, C. Sainz and J. Gómez . . . 217 (2004) 167

Accurate calibration of the retained fluence from a versatile single wafer implanter using RBS, G. Boudreault, G. Claudio, C. Jeynes, R. Low and B.J. Sealy . . . 217 (2004) 177
Mathematical model of the electronuclear set-up on the beam of JINR synchrotron, V.S. Barashenkov, H. Kumawat, V.A. Lobanova and V. Kumar . . . 217 (2004) 352
A digital detector performance evaluation using Monte Carlo technique, E.P.Q. Alcón . . . 217 (2004) 361
Efficient Monte Carlo simulation of heavy ion elastic recoil detection analysis spectra, R.D. Franich, P.N. Johnston and I.F. Bubb . . . 219–220 (2004) 87
Fast Monte Carlo simulation for elastic ion backscattering, P. Pusa, T. Ahlgren and E. Rauhala . . . 219–220 (2004) 95
A general artificial neural network for analysis of RBS data of any element with Z between 18 and 83 implanted into any lighter one- or two-element target, N.P. Barradas, R.N. Patrício, H.F.R. Pinho and A. Vieira . . . 219–220 (2004) 105
Evaluation of low-energy tailing parameters of a HPGe X-ray detector to be used in GUPIX software library for PIXE analysis, A. Shariff, B.G. Martinsson, V. Auzelyte, M. Elfman, P. Kristiansson, K.G. Malmqvist, C. Nilsson, J. Pallon and M. Wegdén . . . 219–220 (2004) 110
Hydrogen standards in elastic recoil detection analysis, Y.Q. Wang . . . 219–220 (2004) 115
Allegria: a new interface to the ERD program, F. Schiettekatte, M. Chicoine, S. Gujrathi, P. Wei and K. Oxorn 219–220 (2004) 125
High-energy PIXE: quantitative analysis, A. Denker, J. Opitz-Coutureau, J.L. Campbell, J.A. Maxwell and T. Hopman . . . 219–220 (2004) 130
An Excel utility for the rapid characterization of "funny filters" in PIXE analysis, Z. Nejedly, J.L. Campbell and S. Gama . . . 219–220 (2004) 136
The new external microbeam facility at the 5 MV Tandetron accelerator laboratory in Madrid: beam characterisation and first results, O. Enguita, M.T. Fernández-Jimacuteenez, G. García, A. Climent-Font, T. Calderón and G.W. Grime . . . 219–220 (2004) 384
First accelerator based ion beam analysis facility in Lebanon: development and applications, M. Roumié, B. Nsouli, K. Zahraman and A. Reslan . . . 219–220 (2004) 389
25 years of IBA teaching experience at the National Institute for Nuclear Science and Technology, France, L. Beck, A. de Château-Thierry, J.-P. Frontier, S. Pellegrino and Ph. Trouslard . . . 219–220 (2004) 394
First measurements with the Madrid 5 MV tandem accelerator, A. Climent-Font, F. Pászti, G. García, M.T. Fernández-Jiménez and F. Agulló . . . 219–220 (2004) 400
The new Surrey ion beam analysis facility, A. Simon, C. Jeynes, R.P. Webb, R. Finnis, Z. Tabatabaian, P.J. Sellin, M.B.H. Breese, D.F. Fellows, R. van den Broek and R.M. Gwilliam . . . 219–220 (2004) 405
Hydrogen detection with a gas ionization elastic recoil detector, R.G. Elliman, H. Timmers and T.D.M. Weijers 219–220 (2004) 410
Gas ionization chambers with silicon nitride windows for the detection and identification of low energy ions, M. Döbeli, C. Kottler, M. Stocker, S. Weinmann, H.-A. Synal, M. Grajcar and M. Suter . . . 219–220 (2004) 415
A PIN detector array for the determination of boron using nuclear reaction analysis at a nuclear microprobe, G. Sziki, E. Dobos, Z. Kertész, Z. Szikszai, I. Uzonyi and Á.Z. Kiss . . . 219–220 (2004) 420
ERD, ^{15}N external beam for NRRA in air, HIRBS: ion beam analysis developments on the HVEC EN-1 Tandem, F. Schiettekatte, M. Chicoine, J.S. Forster, J.S. Geiger, S. Gujrathi, R. Kolarova, A. Paradis, S. Roorda and P. Wei . . . 219–220 (2004) 430
A time-of-flight mass spectrometer to resolve isobars, Y. Ishida, M. Wada, Y. Matsuo, I. Tanihata, A. Casares and H. Wollnik . . . 219–220 (2004) 468
A new time-of-flight instrument for quantitative surface analysis, I.V. Veryovkin, W.F. Calaway, J.F. Moore, M.J. Pellin and D.S. Burnett . . . 219–220 (2004) 473
A new range of high-current Tandetron™ accelerator systems with terminal voltages of 1–6 MV, D.J.W. Mous, J. Visser, A. Gottdang and R.G. Haitsma . . . 219–220 (2004) 480
The beam blanking system for microlithography at Lund Nuclear Microprobe, V. Auzelyte, M. Elfman, P. Kristiansson, K. Malmqvist, L. Wallman, C. Nilsson, J. Pallon, A. Shariff and M. Wegdén . . . 219–220 (2004) 485
A nanosecond pulsing system for MeV light ions using a 2 MV Tandetron™, D.J.W. Mous, J. Visser and R.G. Haitsma . . . 219–220 (2004) 490
Characterization of a new large area HPGe X-ray detector for low beam current application, A. Shariff, P. Kristiansson, V. Auzelyte, M. Elfman, K.G. Malmqvist, C. Nilsson, J. Pallon and M. Wegdén . . . 219–220 (2004) 494
Intensity calibration of an FT-IR spectrometer by heavy-ion ERDA, E. Strub, M. Bär, W. Bohne, Ch.-H. Fischer, B. Leupolt, S. Lindner, J. Röhrich and B. Schöneich . . . 219–220 (2004) 499
On the role of the signal processing electronics in X-ray analytical measurements, T. Papp, J.A. Maxwell, A. Papp, Z. Nejedly and J.L. Campbell . . . 219–220 (2004) 503
A new micro-DIGE set-up for the analysis of light elements, G.Á. Sziki, I. Uzonyi, E. Dobos, I. Rajta, K.T. Biró, S. Nagy and Á. Kiss . . . 219–220 (2004) 508

Versatile use of ion beams for diffusion studies by the modified radiotracer technique, P. Laitinen, I. Riihimäki, J. Huikari and J. Räisänen 219–220 (2004) 530
Development of a system for determination of the $^{11}C/^{12}C$ isotopic ratio with high spatial resolution, P. Kristiansson, T. Hode, V. Auzelyte, M. Elfman, K. Malmqvist, C. Nilsson, J. Pallon, A. Shariff and M. Wegdén 219–220 (2004) 561
A novel sensor for ion electron emission microscopy, D. Biselli, M. Dal Maschio, P. Giubilato, A. Kaminsky, M. Nigro, D. Pantano, R. Rando, M. Tessaro and J. Wyss 219–220 (2004) 1000
Development of single-ion hit techniques and their applications at TIARA of JAERI Takasaki, T. Kamiya, T. Hirao and Y. Kobayashi 219–220 (2004) 1010
IBIC imaging of intra-crystallite charge transport in CVD diamond at reduced temperature, A. Simon, P.J. Sellin and A. Lohstroh 219–220 (2004) 1022

Letters to the Editors

Ion beam imaging at very low energy and intensity, L. Cosentino and P. Finocchiaro 211 (2003) 443
On the concept of an actual Coulomb barrier, A.F. Gurbich 217 (2004) 183
A method for improving the efficiency of proton microprobe profiling of strontium in otoliths using a vacuum compatible NaI detector, B. Barry and A. Markwitz 217 (2004) 521
On the origin of mysterious X-ray spectral peaks observed at the REFER electron ring, I. Endo, D. Iseki, T. Ohnishi, C. Moriyoshi and A.V. Shchagin 217 (2004) 666

Errata

Erratum to: "Structure of luminescent mono and di-urethanesil nanocomposites doped with Eu^{3+} ions" [Nucl. Instr. and Meth. B 199 (2003) 117–122], K. Dahmouche, M.C. Goncalves, C.V. Santilli, V. de Zea Bermudez, L.D. Carlos and A.F. Craievich 211 (2003) 160
Erratum to "Coherent transition radiation from spherical electron bunch" [Nucl. Instr. and Meth. B 201 (2003) 49–54], B.M. Bolotovskii and A.V. Serov 211 (2003) 161
Erratum to "Axial coherent bremsstrahlung of type A in a diamond crystal" [Nucl. Instr. and Meth. B 201 (2003) 16–24], K. Chouffani, I. Endo and H. Uberall 211 (2003) 281

BEAM INTERACTIONS WITH MATERIALS AND ATOMS
Nuclear Instruments and Methods in Physics Research – Section B

Instructions to Authors

(also accessible via the NIMB homepage: www.elsevier.com/locate/nimb)

Submission of papers

Contributions should be submitted either electronically through the Elsevier Author Gateway (www.elsevier.com/locate/nimb) (the preferred mode) or as hard copies directly to one of the editors. In both cases the manuscripts must be directed to the appropriate editor, which is Prof. Dr. H.H. Andersen or Dr. C. Trautmann for manuscripts originating from Africa, Europe, India and The Middle East, and Dr. L.E. Rehn from The Americas, Australia, The Far East and New Zealand. The editors do not handle electronic manuscripts submitted directly to their individual offices.

Hard-copy manuscript and figures should be submitted in duplicate, with one set of good quality figure material for production of the printed version. The contribution must be accompanied by an electronic version that exactly matches the hard copy in an editable format (i.e. not pdf) on a diskette or CD.

Short contributions of less than 1500 words and not subdivided into sections may be published as Letters to the Editor in a shorter time than regular articles.

Submission of a manuscript implies that it is not being considered for publication nor has been published elsewhere and that the authors have obtained the necessary authority for publication.

Manuscript preparation

Manuscripts should be written in good English. They should be typed throughout with double line spacing and wide margins on numbered, single column pages.

Structure. Please adhere to the following order of presentation: article title, author(s), affiliations, abstract, PACS codes and keywords, main text, acknowledgements, appendices, references, figure captions, tables.

Corresponding author. The name, full postal address, telephone and fax numbers and e-mail address of the corresponding author should be given on the first page.

PACS codes/keywords. Please supply one or more relevant PACS classification codes, and up to 6 keywords of your own choice for indexing purposes.

References to other publications should be numbered consecutively within square brackets in the order in which they appear in the manuscript, and listed together at the end of the text as shown in the following examples:

[1] V.I. Shulga, P. Sigmund, Nucl. Instr. and Meth. B 47 (1990) 236.
[2] H.H. Andersen, H.L. Bay, in: R. Behrisch (Ed.), Sputtering by Ion Bombardment I, Springer, Berlin, Heidelberg, 1977, p. 104.
[3] J.F. Ziegler, J.P. Biersack, U. Littmark, The Stopping and Range of Ions in Solids, Pergamon, New York, 1985.
[4] S.B. Trubin, Investigation of Radiation Gas Evolution from Polyethylene, Dissertation, Sverdlovsk, 1981 (in Russian).

The authors may opt also to give the full titles of papers published in journals. In case, that must be for all journal papers listed.

In the case of multiple authorship, all authors should be listed in the references; only in case of more than ten authors is the first author et al. acceptable.

Illustrations

The Publisher requires a set of good quality drawings and original photographs to produce the printed figures.

Line drawings should be 1.5–3 times larger than the printed size; the height of letters and numbers should, after reduction, fall within the range 1.2–2.4 mm. Do not use too narrow pen widths for machine-plotted graphs. Shaded areas should be shown by means of cross-hatching or a matrix of dots, rather than a continuous grey wash.

Photographs should not already be screened (overprinted with the point matrix used by printers). The top side of a photograph should be marked if necessary.

Electronic illustrations. For instructions for submitting electronic graphics contact our website: www.elsevier.com/locate/authorartwork.

Colour figures. Submit colour illustrations as original photographs, high-quality computer prints or transparencies, close to the size expected in publication, or as 35 mm slides. Polaroid colour prints are *not* suitable. If, together with your accepted article, you submit usable colour figures, then Elsevier will ensure, at no additional charge, that these figures will appear in colour on the web (e.g., ScienceDirect and other sites) regardless of whether or not these illustrations are reproduced in colour in the printed version. For colour reproduction in print, you will receive information regarding the costs from Elsevier after receipt of your accepted article. For further information on the preparation of electronic artwork, please see http://authors.elsevier.com/artwork.

Please note: Because of technical complications which can arise by converting colour figures to 'grey scale' (for the printed version should you not opt for colour in print) please submit in addition usable black and white prints corresponding to all the colour illustrations.

After acceptance

Notification. You will be notified by the Editor of the acceptance of your contribution. After acceptance any correspondence should be addressed to the Publisher at the coordinates below.

Page proofs are sent out to the Author in order to check that no undetected errors have arisen in the typesetting or file conversion process. In the proofs only typesetting errors may be corrected. No changes in, or additions to, the accepted paper will be accepted.

Copyright transfer. In the course of the production process the authors will be asked to transfer the copyright of the article to the publisher. This transfer will ensure the widest possible dissemination of information.

Author benefits

No page charges. Publishing in Nuclear Instruments and Methods in Physics Research – Section B is free.

Free offprints. The corresponding author will receive 25 offprints free of charge. An offprint order form will be supplied by the publisher for ordering any additional paid offprints.

Discount. Contributors to Elsevier journals are entitled to a 30% discount on all Elsevier books.

Correspondence with the Publisher

After acceptance of an article any correspondence should be addressed to:

Elsevier B.V.
NIM-B
P.O. Box 2759
1000 CT Amsterdam
The Netherlands
Tel.: +31 20 485 2492
Fax: +31 20 485 2431
e-mail: nimb-j@elsevier.com

ELSEVIER

Electronic access to the full text of this journal is available for researchers at subscribing institutes from http://www.elsevier.com/locate/nimb

CONTENTS direct

This journal is part of **ContentsDirect**, the ***free*** alerting service which sends tables of contents by e-mail for Elsevier books and journals. You can register for **ContentsDirect** online at: **http://contentsdirect.elsevier.com**

0168-583x(200407)219-2201;1-3